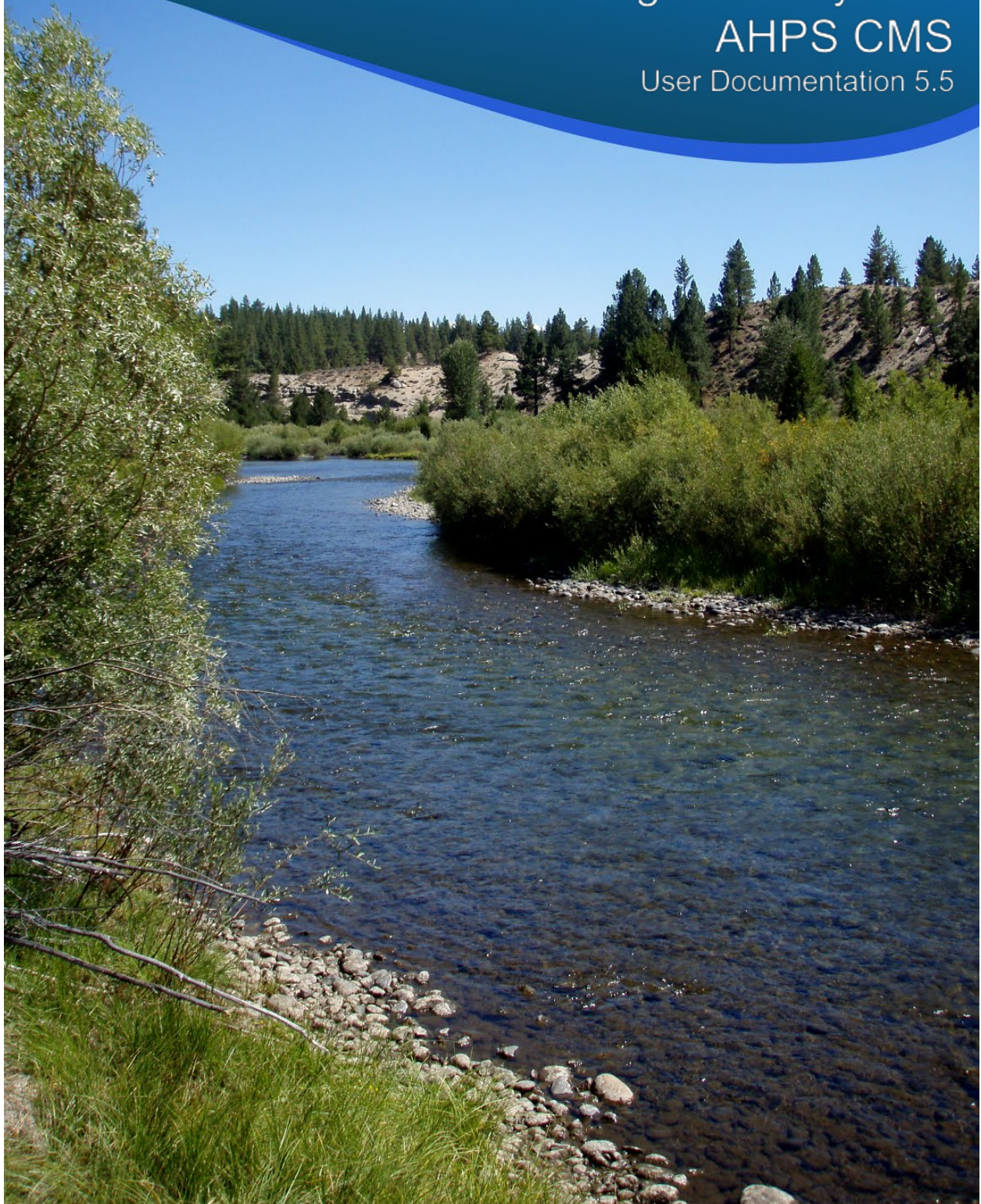


AHPS Configuration Management System AHPS CMS User Documentation 5.5



Office of Hydrologic Development



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Background

The Advanced Hydrologic Prediction Service (AHPS) Configuration Management System (CMS) is a web-based interface designed to manage a National AHPS Web configuration database. This release of the AHPS CMS Version 5.5 will provide users with more control over configurable items on HSA AHPS Web pages. This new interface/database provides users with the following advantages:

- FEMA Flood Risk Mapping
- Separation of Forecast PEDTS from Observation PEDTS

With the release of the NWS CMS, a modular experience has been created. Instead of utilizing “hard-coded” fixed button navigation, users can transition seamlessly throughout the AHPS CMS and NWS CMS (access permitting) by usage of a tabular and dropdown navigation that coincides with the Web presence that is currently implemented on the NWS Water Data homepage water.weather.gov. This allows NWS CMS and AHPS CMS to achieve an overall better NWS standard “look and feel”. Following the sections on browser requirements and access information below are instructions on how to use the navigational features as well as graphical representations of what users can expect to encounter when they login to the AHPS CMS.

Web Browser Requirements

This document assumes that end users will either be using Internet Explorer 8.0+, Mozilla Firefox 6+, Google Chrome, Safari 4+ or newer browsers.

Support and Contact Information

If you encounter issues with the AHPS CMS or the web frontend at <http://water.weather.gov>, please report them via the NWS Telecommunications Operations Center (TOC). The TOC may be reached 24/7 via any of the methods listed below:

- Email: TOC.NWSTG@noaa.gov
- Phone: (301) 713-0902

Data and Password Security

All web browser connections to the AHPS CMS are encrypted via the standard Secure Sockets Layer (SSL) protocol. Modern day web browsers such as Internet Explorer, Mozilla Firefox, Google Chrome and Safari all support SSL. To identify a SSL connection, the URL will be prefixed with https:// instead of the unsecure http://.

The AHPS CMS does not store any user passwords; for user authentication, the CMS makes a SSL connection to the National Weather Service (NWS) LDAP servers which validate the submitted user credentials.

User Accounts and Access

User accounts may be configured to allow access to an individual HSA, multiple HSAs, NWS Regions, and/or national access. Current user account configuration is based on information provided by the NWS Regions and can be modified as needed upon request. Please contact your Regional AHPS Focalpoint to request any user or account changes.

Upon new account creation, the user will receive email from nws.cms@noaa.gov or an authorized support user. This email contains information on how to log into the AHPS CMS.

Example email:

From: NWS CMS <nws.cms@noaa.gov>
Date: Tuesday, Mar 20, 2014 10:48 am
To: john.doe@noaa.gov
Subject: New NWS CMS Account

You have been granted access to the NWS Configuration Management System (NWS CMS) interface. Your username will be your full NOAA email address and your password is the same as your NOAA email password.



You have been given access to the following CMS Module(s)

AHPS CMS

The URL for NWS CMS interface is:

<https://nwscms.nids.noaa.gov>

Note: The NWS CMS is NOAA internal-only web address.

Your username is: john.doe@noaa.gov

Support Information

The URL for AHPS CMS User Documentation is:

https://nwscms.nids.noaa.gov/nwscms/pdf/AHPS_CMS.pdf

If you encounter issues with the AHPS CMS or the web frontend at <http://water.weather.gov>, please report them via the NWS Telecommunications Operations Center (TOC). The TOC may be reached 24/7 via any of the methods listed below:

- Email: TOC.NWSTG@noaa.gov
- Phone: (301) 713-0902

Regards,

The NWS CMS Admin Team


AHPS CMS URL

The AHPS CMS can be accessed at the following URL: <https://nwscms.nids.noaa.gov>

Note: This is a NWS internal-only URL and it is not available via public internet. To access it, you must be within the NOAA domain or VPN-ed into the NWS.

Logging into the AHPS-CMS

Note: All the following graphics show the interface in Mozilla Firefox. The interface may look slightly different depending on the web browser you are using.

To log into the AHPS CMS site shown in Figure 1; users will enter their full noaa.gov email address i.e. “john.doe@noaa.gov” and their email account password then click .



www.nws.noaa.gov

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Please Login

Username

Password

[Login](#)

Note: The username is your full NOAA email address.

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Web master's email: nws.cms@noaa.gov
login.php last modified at Wed Sep 28 11:44:12 EDT 2011.

Figure 1: AHPS CMS Login Page

Once a user has successfully logged into the CMS, they will receive a notice (Figure 2) that this is a Federal computer system and is for authorized use only. Users may either “Accept” that they are logging into a Federal computer system or “Logout”.

www.nws.noaa.gov

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For Official National Weather Service Only

**** NOTICE TO USERS ****

This is a Federal computer system and is the property of the United States Government. It is for authorized use only. Users (authorized or unauthorized) have no explicit or implicit expectation of privacy.

Any or all uses of this system and all files on this system may be intercepted, monitored, recorded, copied, audited, inspected, and disclosed to authorized site, Department of Commerce, and law enforcement personnel, as well as authorized officials of other agencies, both domestic and foreign. By using this system, the user consents to such interception, monitoring, recording, copying, auditing, inspection, and disclosure at the discretion of authorized site or Department of Commerce personnel.

Unauthorized or improper use of this system may result in administrative disciplinary action and civil and criminal penalties. By continuing to use this system you indicate your awareness of and consent to these terms and conditions of use. LOG OFF IMMEDIATELY if you do not agree to the conditions stated in this warning.

[Accept](#) [Logout](#)

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notice.php last modified at Fri Apr 15 14:03:22 EDT 2011.

Figure 2: Notice to Users Page

FAQ/Help Page

The “FAQ/Help” page (Figure 8) is available via the left hand menu and will be used to answer frequently asked questions and direct users how to receive additional support.

FAQ

Q. What is AHPS CMS?

A. The application you're using is designed to replace editing ahps.dat and various PHP files with a web database. Beside reducing ahps.cgi downtime and easing AHPS data maintenance this opens up a variety of possibilities for future AHPS improvements.

Q. Where do I get help?

A. Email TOC.NWSTG@noaa.gov

? AHPS 24/7 Support Contact Phone:
NWS Telecommunications Operations Center (TOC)
(301) 713-0902

Q. How do I upload gauge images to display on my hydrograph pages?

A. A new AHPS Photo Management Tool is available to handle all gauge images. [Please click here to read more.](#)

Q. What can I read to learn more?

A. [Documentation for AHPS CMS](#)

Figure 8: FAQ/Help Page

Using the Interface

Upon acceptance of the “Notice to Users”, the user may see a single or multiple NWS CMS Module buttons (Figure 3) depending on their account permissions.


To access the AHPS CMS Module, users need to click the  button.



Figure 3: NWS CMS Module Selection Page

Within the AHPS CMS Module, users will see a list of available HSA(s) they have permission to manage (Figure 4 and Figure 5). This list of available HSA(s) may be a single location or many depending on the users area of management. If users have access to more than a single HSA, they may sort the lists alphabetically by city or HSA by clicking either the “City” or “Abbrev” column header.

Note: Throughout the rest of this document, HSA Caribou, ME (CAR) and HSA Albany, NY (ALY) along with the sensors located within their area of responsibility will be referenced unless otherwise noted. The purpose is to decrease the complexity of the documentation and all questions not covered by this documentation will be answered via email or phone; recurring questions will be added to the FAQ/Help section of the AHPS CMS web site.



Figure 4: One HSA (HSA Caribou, ME)



Figure 5: Multiple HSAs

Additional help or explanations may be available via help sections which look like Figure 5b on select NWS CMS pages.

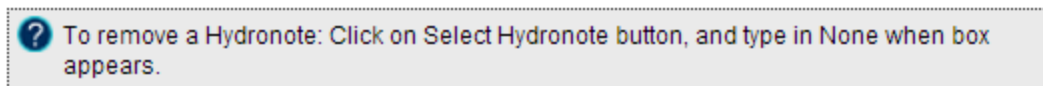


Figure 5b: Help Section.

NWS CMS Navigation

To navigate the NWS CMS, users may use the tabs across the top of the page to jump to different NWS CMS Modules (Figure 6).

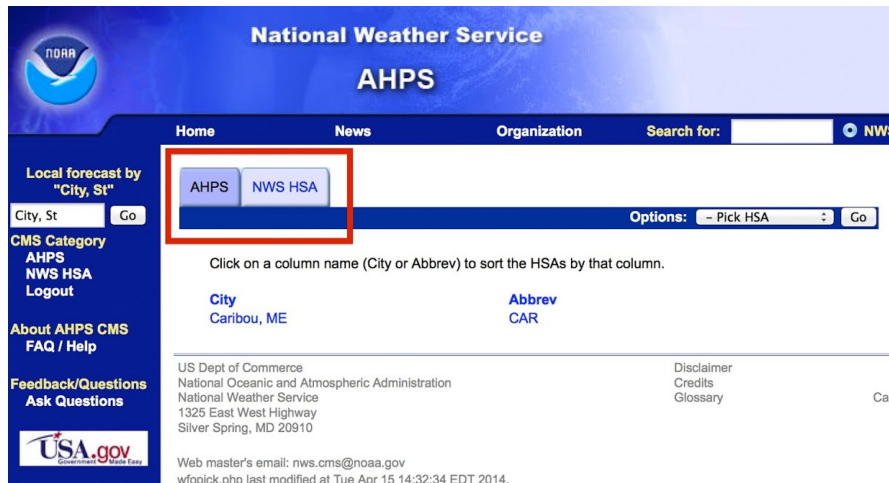


Figure 6: NWS CMS Module Navigation

To navigate available options within a selected NWS CMS Module, users may use the “Options” dropdown box (Figure 7) and click the “Go” button.

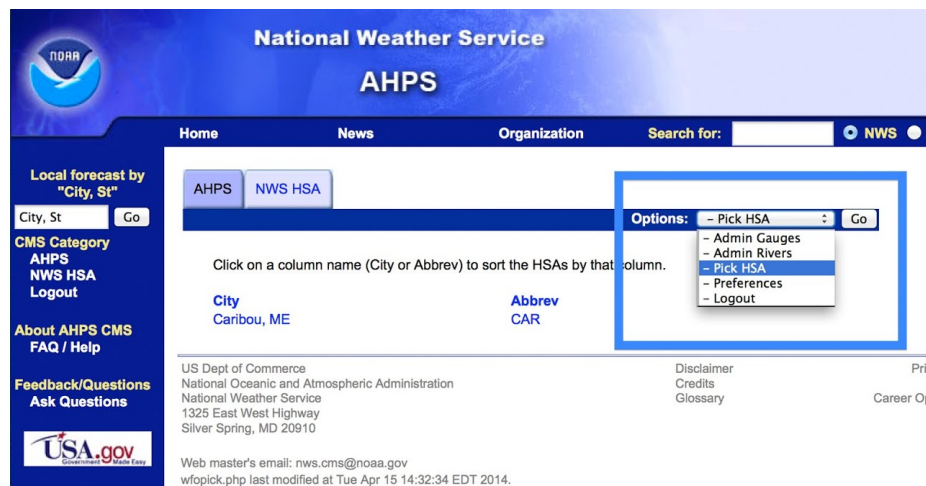


Figure 7: Intra-Module Navigation via “Options” Dropdown Box

Note: In Figure 7, the user has not selected a HSA to manage thus only have global AHPS CMS options available within the “Options” dropdown. However, once a HSA has been selected, additional options will appear within the “Options” dropdown box pertaining to the selected HSA.

NWSLID Selection Page

Once a user selects a HSA, the NWSLIDs managed by the HSA are listed in alphabetical order by NWSLID (Figure 9). This list may also be downloaded via the “Download Gauge List” link at the bottom of the list.

AHPS

NWS HSA

Options:

- Gauges

Go

NWSLID	Location Name	Location Type
ALLM1	Allagash River above Allagash	River Stage/Flow Location
ATGM1	Frenchman Bay at Bar Harbor	River Stage/Flow Location
BBRM1	Big Black River near Depot Mountain	River Stage/Flow Location
BLAM1	Piscataquis River at Blanchard	River Stage/Flow Location
BPRM1	Penobscot River at Bangor	River Stage/Flow Location
CTGM1	Gulf of Maine at Cutler	River Stage/Flow Location
DICM1	St. John River at Dickey	River Stage/Flow Location
DOVM1	Piscataquis River at Dover-Foxcroft	River Stage/Flow Location
EDDM1	Penobscot River at Eddington	River Stage/Flow Location
FIHM1	Fish River at Fort Kent	River Stage/Flow Location
FTKM1	St. John River at Fort Kent	River Stage/Flow Location
GRNM1	Penobscot River above Grindstone	River Stage/Flow Location
MASM1	Aroostook River at Masardis	River Stage/Flow Location
MATM1	Mattawamkeag River at Mattawamkeag	River Stage/Flow Location
MFDM1	Piscataquis River at Medford	River Stage/Flow Location
NINM1	St. John River at Nine Mile Bridge	River Stage/Flow Location
PSBM1	Passamaquoddy Bay at Eastport	River Stage/Flow Location
STFB3	St. Francis River near Connors	River Stage/Flow Location
TINB3	Aroostook River below Tinker Dam	River Stage/Flow Location
WENM1	Penobscot River at West Enfield	River Stage/Flow Location
WSHM1	Aroostook River at Washburn	River Stage/Flow Location

[Download Gauge List](#)

Figure 9: NWSLID Selection Page

Preferences Page

The “Preferences Page” (Figure 10) allows the user to control email notification settings for their AHPS CMS account.

Configuration Item	Remark
Real-time	<p>Values:</p> <ul style="list-style-type: none"> Yes No <p>Description:</p> <ul style="list-style-type: none"> As changes are submitted via the AHPS CMS, the individual changes are emailed to the user. <p>Notes:</p> <ul style="list-style-type: none"> This may generate many emails.

Daily Summary	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • All changes within a 24 hour period are grouped together into a single email and sent to the user once per day.
Gauge Update	<p>Values:</p> <ul style="list-style-type: none"> • 24 Hours • 12 Hours • No <p>Description:</p> <ul style="list-style-type: none"> • The system will report a list of gauges that have not updated for more than 12 hours.

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Options: [Preferences](#)

Security User Edit john.doe@noaa.gov

NWS HSA Email Options:

Real-time: Daily Summary: Gauge Update:

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Web master's email: nws.cms@noaa.gov
prefs.php last modified at Mon Apr 14 15:37:45 EDT 2014.

Figure 10: Preferences Page

Admin Rivers Page

The “Admin Rivers” Page (Figure 11) allows users to add, rename or delete waterbodies to the AHPS CMS. See X section to configure NWSLIs to waterbodies.

Note: Verify the waterbody name it is not already in use via the “Browse By Name:” feature located below the list. Should the name already be in use, create a new water body containing the state in parentheses for which the waterbody originates.

Example:

- Eel River (CA)
- Eel River (IN)

Admin Rivers By Name - 'Q'

River	Commands
Quartzville Creek	Update Delete
Queets R	Update Delete
Quinault River	Update Delete
Quinebaug River	Update Delete
Quinnipiac River	Update Delete
	New

Browse By Name:
[1](#):[2](#):[3](#):[4](#):[5](#):[6](#):[7](#):[8](#):[9](#):[A](#):[B](#):[C](#):[D](#):[E](#):[F](#):[G](#):[H](#):[I](#):[J](#):[K](#):[L](#):[M](#):[N](#):[O](#):[P](#):[Q](#):[R](#):[S](#):[T](#):[U](#):[V](#):[W](#):[X](#):[Y](#):[Z](#)

Figure 11: Admin Rivers Page

Deletion Confirmation

If a user has decided to “Delete” a waterbody, a “Deletion Confirmation” page (Figure 12) will appear explaining the significances of this action and what HSA(s) it will affect.

Use caution when deleting or renaming a waterbody as it may affect HSAs which you do not directly manage.

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Deletion Confirmation

If changes on this page are outside your area of responsibility, please be aware that the change(s) you are about to make will likely impact other office's configuration settings. If you have questions, contact ahps.cms@noaa.gov before making changes to determine potential ramifications.

The following commands will be processed:

- 'TEST1' will be deleted from ahps_gage table.
- All zones will be deleted for 'TEST1'.
- All FIPS codes will be deleted for 'TEST1'.
- All photos will be deleted for 'TEST1'.
- All river points will be deleted for 'TEST1'.
- This change will affect 0 HSA(s).

Are you sure you want to continue?

[Cancel](#) [Confirm Delete](#)

Figure 12: Deletion Confirmation Page

Admin Gauges Page

The “Admin Gages” Page (Figure 13) allows users to add or delete a NWSLI or quickly jump to a specific NWSLI configuration page.

The screenshot shows the National Weather Service AHPS Admin Gauges page. The header includes the NOAA logo, the text "National Weather Service AHPS", and the URL "www.nws.noaa.gov". Below the header is a navigation bar with links for Home, News, Organization, and a search bar. The main content area is titled "Admin Gauges" and contains two sections: "Location Type" and "Jump to Gauge". The "Location Type" section has a dropdown menu with "-- none --" selected, an "HSA" dropdown menu with "-- none --" selected, and an "NWS LID" input box. To the right of these fields are "New" and "Delete" buttons. The "Jump to Gauge" section has an "NWS LID" input box and a "Jump to Gauge Configuration" button. The footer contains contact information for the US Dept of Commerce, National Oceanic and Atmospheric Administration, National Weather Service, and a disclaimer.

Figure 13: Admin Gauges Page

Add a NWSLI

1. Select the new gauge type from the “Location Type” dropdown box.
2. Select the HSA for which the new gauge will be managed via the “HSA” dropdown box.
3. Enter the new NWSLI into the “NWS LID” input box.
4. Click the “New” button.

Once the new gauge has been added (Figure 14), the user will be redirected to the gauge configuration page to complete the new location setup.

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Admin Gauges

Location Type

HSA

NWS LID

Commands
[New](#) [Delete](#)

Jump to Gauge

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Web master's email: nws.cms@noaa.gov
admgage.php last modified at Tue Apr 15 16:19:56 EDT 2014.

Figure 14: Add New NWSLI

Jump to Gauge

To quickly jump to a NWSLI without navigating the HSA and NWSLI lists, simply enter the NWSLI of the desired gauge and click the “Jump to Gauge Configuration” button. The user will be redirected to the gauge configuration page for the specified NWSLI.

Gauge Configuration Page

Once a user selects a HSA and NWSLI via the “NWSLI Selection” process, a gauge configuration page is displayed (Figure 15a, 15b and 15c)

CAR - Edit Gauge DOVM1

Edit Settings For: CAR - Edit Gauge DOVM1

Location Type

River Stage/Flow Location

River Name

Piscataquis River

Gauge List

Proximity

at

Location Name

Dover-Foxcroft

State

Maine

County

FFG Zone

Adjacent State

No State Selected

For RSS selection and display.

Time Zone

EST/EDT (GMT-5/-4)

RFC

Northeast River Forecast Center

Water Resource Region

New England Region

Action Stage

9

Flood Stage

11

Moderate Stage

15

Major Stage

19

Flood Category Type

Stage (feet)

Low Water Threshold

0

feet

?

To remove a Hydronote: Click on Select Hydronote button, and type in None when box appears.

Select Hydronote 1

Select Hydronote 2

Figure 15a: Gauge Configuration Page (Image 1)

Forecast Reliability -- none --
Forecast Status Year-round
Probabilistic Site No
Type of Historic Crests Stage (feet)
Display Number of Historic Crests 5
Display Low Water Impacts Yes [Edit Impacts](#)
Display Number of Low Water Events 5
COE ID Not Defined
COE URL
USGSID (NRLDB) 01031500
Display Unique Additional Information [?](#) Enter text or HTML here that you wish to appear as "Additional Information":
Give Data Attribution Yes
Attribution Wording Observations Courtesy of US Geological Survey
Attribution URL http://water.usgs.gov/
Attribution ALT Text USGS--Water Resources of the United States (HydroGen Only)
Plot Location on Maps AHPS Yes [Update](#)
[Edit Up/Down Streams](#) [Edit HydroGen](#) [Edit Datums](#)

Figure 15b: Gauge Configuration Page (Image 2)

FIPS

FIPS Code Commands

DEC003 [Update](#) [Delete](#)

[Add](#)

NWS Forecast Zone

Zone Code Commands

DEZ001 [Update](#) [Delete](#)

[Add](#)

Photo

[?](#) Photos with no caption specified will not display on the hydrograph page.
 If you would like to upload photos [click here](#).

Figure 15c: Gauge Configuration Page (Image 3)

Configuration Item	Remarks
Location type	<p>Values:</p> <ul style="list-style-type: none"> • River Stage/Flow Location • Precipitation Location • Stage/Flow and Precipitation Location <p>Description:</p> <ul style="list-style-type: none"> • Determines the gauge type and whether it is stage/flow-only, precipitation-only or does both.
River Name	<p>Values:</p> <ul style="list-style-type: none"> • Waterbodies configured via the “Admin Rivers” page. <p>Description:</p> <ul style="list-style-type: none"> • The name of the waterbody the gauge is associated with. <p>Notes:</p> <ul style="list-style-type: none"> • This field must be defined for the gauge to be displayed on the Google/ESRI Maps and for hydrograph generation. • This field is also configured via the “Waterway” edit page configuration.
Proximity	<p>Values:</p> <ul style="list-style-type: none"> • above • at • below • near • other <p>Description:</p> <ul style="list-style-type: none"> • Defines the proximity word which makes up the full gauge name that appears as the title on the hydrographs among other places. <p>Notes:</p> <ul style="list-style-type: none"> • If “other” is chosen and the “Update” button is clicked, upon page refresh, two additional inputs become available. <ul style="list-style-type: none"> ○ Empty Input: Integer value in Miles. ○ Proximity: Compass direction.

	<p>Examples:</p> <ul style="list-style-type: none"> • Carrizo Wash near Saint Johns • Little Colorado River near Joseph City • Pecos River 14 miles NW of Pandale
Location Name	<p>Values:</p> <ul style="list-style-type: none"> • Text input. <p>Description:</p> <ul style="list-style-type: none"> • Plain language name of the gauge location. <p>Notes:</p> <ul style="list-style-type: none"> • This is the name the user wants displayed in the title of the hydrograph page for this location.
State	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box. <p>Description:</p> <ul style="list-style-type: none"> • Dropdown box of states.
County	<p>Values:</p> <ul style="list-style-type: none"> • Auto-populated dropdown box. <p>Description:</p> <ul style="list-style-type: none"> • The dropdown box is auto populated based on the selected State.
FFG Zone	<p>Values:</p> <ul style="list-style-type: none"> • Auto-populated dropdown box. <p>Description:</p> <ul style="list-style-type: none"> • The dropdown box is auto populated based on the selected County. This field designates the Flash Flood Guidance values to use for AFWS flood stages.
Adjacent State	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box. <p>Description:</p> <ul style="list-style-type: none"> • The Adjacent State for RSS Selection and display.
Time Zone	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box.

	<p>Description:</p> <ul style="list-style-type: none"> Time Zone for gauge location.
RFC	<p>Values:</p> <ul style="list-style-type: none"> Dropdown box. <p>Description:</p> <ul style="list-style-type: none"> The River Forecast Center in which the gauge is located.
Water Resource Region	<p>Values:</p> <ul style="list-style-type: none"> Dropdown box. <p>Description:</p> <ul style="list-style-type: none"> The Water Resource Region in which the gauge is located.
Action Stage/Flow	<p>Values:</p> <ul style="list-style-type: none"> Stage in feet Flow in cfs <p>Description:</p> <ul style="list-style-type: none"> Action flood stage or flow. <p>Notes:</p> <ul style="list-style-type: none"> This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
Flood Stage/Flow	<p>Values:</p> <ul style="list-style-type: none"> Stage in feet Flow in cfs <p>Description:</p> <ul style="list-style-type: none"> Flood stage or flow. <p>Notes:</p> <ul style="list-style-type: none"> This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
Moderate Flood Stage/Flow	<p>Values:</p> <ul style="list-style-type: none"> Stage in feet Flow in cfs <p>Description:</p> <ul style="list-style-type: none"> Moderate flood stage or flow.

	<p>Notes:</p> <ul style="list-style-type: none"> This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
Major Flood Stage/Flow	<p>Values:</p> <ul style="list-style-type: none"> Stage in feet Flow in cfs <p>Description:</p> <ul style="list-style-type: none"> Major flood stage or flow. <p>Notes:</p> <ul style="list-style-type: none"> This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
Flood Category Type	<p>Values:</p> <ul style="list-style-type: none"> Stage (feet) Flow (kcfs) <p>Description:</p> <ul style="list-style-type: none"> Changes the Action through Major flood categories from stage to flow values.
Low Water Threshold	<p>Values:</p> <ul style="list-style-type: none"> Numeric input Dropdown box <ul style="list-style-type: none"> feet kcfs cfs <p>Description:</p> <ul style="list-style-type: none"> Defines the upper limit for the Low Water threshold. <p>Notes:</p> <ul style="list-style-type: none"> If defined, this value is represented on the hydrograph as a brown tint from the defined threshold and down. This value may be negative or zero (0). To disable, enter a blank value. The units must match the observation data units of the hydrograph.

Select Hydronote 1	<p>Value:</p> <ul style="list-style-type: none"> • none <p>Description:</p> <ul style="list-style-type: none"> • Buttons that when clicked bring up an input field that accepts keywords to search for a specific hydronote. <p>Notes:</p> <ul style="list-style-type: none"> • Upon selecting a hydronote, the input field will disappear and a snippet of the hydronote will appear in a field beside the respective hydronote button. • Two additional date inputs will appear. These are the beginning and end dates for this hydronote to display. • To remove a Hydronote, click the Select Hydronote button, and type in None when box appears.
Select Hydronote 2	<p>Value:</p> <ul style="list-style-type: none"> • none <p>Description:</p> <ul style="list-style-type: none"> • Buttons that when clicked bring up an input field that accepts keywords to search for a specific hydronote. <p>Notes:</p> <ul style="list-style-type: none"> • Upon selecting a hydronote, the input field will disappear and a snippet of the hydronote will appear in a field beside the respective hydronote button. • Two additional date inputs will appear. These are the beginning and end dates for this hydronote to display. • To remove a Hydronote, click the Select Hydronote button, and type in None when box appears.
Forecast Reliability	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box. <p>Description:</p> <ul style="list-style-type: none"> • A message that display below the hydrograph for the selected location.

Forecast Status	<p>Values:</p> <ul style="list-style-type: none"> • No routine – Graphical forecasts are not available for {Location Name}. During times of high water, forecast crest information can be found in the text products. • Navigation Season - Forecasts {Location Name} are issued routinely during the navigation season, and as needed at other times of the year. • Summer-only - Forecasts for {Location Name} are issued routinely during the warm season, and as needed at other times of the year. • Year-round - Forecasts for {Location Name} are issued routinely year-round. • High Water - Forecasts for the {Location Name} are issued as needed during times of high water, but are not routinely available. • Data Point - Forecasts are not available for {Location Name}. Only observed stages are available for this point. • Low Water/No Routine Fcst - Forecasts for X location are issued as needed during times of low flow, but are not routinely available. • Low Water and High Water/No Routine Fcst - Forecasts for X location are issued during times of low flows and high flows, but are not routinely available. <p>Description:</p> <ul style="list-style-type: none"> • Description of what type of forecast is available for gauge location. <p>Notes:</p> <ul style="list-style-type: none"> • The message displays below the hydrograph for the selected location.
Probabilistic Site	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Turns on the probabilistic icons on the hydrograph page for the selected gauge.

	<p>Also, provides the ability to select what type of Probabilistic Data to display.</p> <p>Notes:</p> <ul style="list-style-type: none"> • See probabilistic configuration.
Volume Exceedance Graph Available	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Used to add the volume exceedance icon to the hydrograph page for the entire period exceedance type. <p>Notes:</p> <ul style="list-style-type: none"> • This feature only displays when a site has been selected as a Probabilistic Site. • If Volume Exceedance is set to “YES”, then Probabilistic Site MUST also be set to “YES”. • This probabilistic data type is not available for all locations. Contact your RFC if you have a question that your HSA uses this type of data.
Pool Exceedance Location	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • When set to “Yes”, the location displays exceedance values as if it were a reservoir instead of a stream/river. <p>Notes:</p> <ul style="list-style-type: none"> • This feature only displays when a site has been selected as a Probabilistic Site.
Type of Historic Crests	<p>Values:</p> <ul style="list-style-type: none"> • Stage (feet) • Flow (cfs) <p>Description:</p> <ul style="list-style-type: none"> • Defines what units Historical Crests are displayed in.

Display Number of Historic Crests	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box: 0 through 10 <p>Description:</p> <ul style="list-style-type: none"> • Number of historical crest to be displayed on hydrograph page.
Display Low Water Impacts	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Whether to display the Low Water Impacts. <p>Notes:</p> <ul style="list-style-type: none"> • When set to “Yes”, a “Edit Impacts” button will display.
Display Number of Low Water Events	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box: 0 through 5 <p>Description:</p> <ul style="list-style-type: none"> • Number of historical low water events to be displayed on the hydrograph page.
COE ID	<p>Values:</p> <ul style="list-style-type: none"> • Numeric input <p>Description:</p> <ul style="list-style-type: none"> • Corps of Engineers (COE) gauge location ID. <p>Notes:</p> <ul style="list-style-type: none"> • This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
COE URL	<p>Value:</p> <ul style="list-style-type: none"> • Text input <p>Description:</p> <ul style="list-style-type: none"> • The Corps of Engineers (COE) URL for the selected gauge location.

USGSID (NRLDB)	<p>Value:</p> <ul style="list-style-type: none"> Numeric input <p>Description:</p> <ul style="list-style-type: none"> U.S. Geological Survey (USGS) gauge location ID. <p>Notes:</p> <ul style="list-style-type: none"> If available an attribution statement for the USGS will be displayed above the hydrograph. This value is updated each morning via the NRLDB import. Any changes made via the AHPS CMS interface will be temporary.
Display Unique Additional Data	<p>Value:</p> <ul style="list-style-type: none"> Textarea input <p>Description:</p> <ul style="list-style-type: none"> Text or HTML that will appear as "Additional Information" below the impact statement on the hydrograph page. <p>Notes:</p> <ul style="list-style-type: none"> This item is configurable per gauge location.
Give Data Attribution	<p>Value:</p> <ul style="list-style-type: none"> Yes No <p>Description:</p> <ul style="list-style-type: none"> Turns on the data attribution text which display on the hydrographs.
Attribution Wording	<p>Value:</p> <ul style="list-style-type: none"> Text input (32 characters max) <p>Description:</p> <ul style="list-style-type: none"> This field is used for the organization name(s) that attribution should be given to. <p>Notes:</p> <ul style="list-style-type: none"> This field is limited to 32 characters due to space constraints on the HydroGen hydrograph image.

	<ul style="list-style-type: none"> • The AHPS code will prefix the phrase “Observations Courtesy of” prior to the organization attribution wording input. • This is a mandatory item if “Give Data Attribution” is set to “Yes”.
Attribution URL	<p>Value:</p> <ul style="list-style-type: none"> • Text input <p>Description:</p> <ul style="list-style-type: none"> • The URL the attribution wording should go to when clicked. <p>Notes:</p> <ul style="list-style-type: none"> • If a domain other than a .gov or .mil is used, users will be directed to a “You are now leaving NWS” jump page before proceeding to the external website. • The “Attribution URL” is an optional item.
Attribution ALT Text	<p>Value:</p> <ul style="list-style-type: none"> • Text input <p>Description:</p> <ul style="list-style-type: none"> • An optional ALT tag text input field. If not defined, the AHPS code will use the wording from the “Attribution Wording” field for the ALT tag.
Plot location on Maps AFWS	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Controls whether or not the selected gauge is plotted on the AFWS maps. <p>Notes:</p> <ul style="list-style-type: none"> • This applies only to precipitation gauges. • If set to "NO", the gauge marker to be removed from all AFWS maps. This includes: National Observation maps, WRR maps, RFC maps, state maps and HSA maps.

Plot location on Maps AHPS	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Controls whether or not the selected gauge is plotted on the AHPS maps. <p>Notes:</p> <ul style="list-style-type: none"> • This applies only to precipitation gauges. • If set to "NO", the gauge marker to be removed from all AHPS maps. This includes: National Observation maps, WRR maps, RFC maps, state maps and HSA maps.
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FIPS Codes

The FIPS Codes shown in Figure 16 are 5-digit codes that are assigned to each county. The first two digits are for the State and the last three identify the County, or county equivalent. So, each State has its own 2-digit number, and each County within the state has its own 3-digit number, which are combined into a 5-digit number to uniquely identify every US County. For Example: Georgia's state number is 13, and Bryan county, GA is 029, so Bryan county's FIPS code is 13029. FIPS Codes are easier to handle in information systems than are county and state names. Gauges may be associated with more than one FIPS code.

For more technical details:

Federal Information Processing Standards Publications (FIPS PUBS) are issued by the National Institute of Standards and Technology (NIST) after approval by the Secretary of Commerce pursuant to Section 111 (d) of the Federal Property and Administrative Services Act of 1949 as amended by the Computer Security Act of 1987, Public Law 100-235.

Federal Information Processing Standard (FIPS) 6-4, Counties and Equivalent Entities of the U.S., Its Possessions, and Associated Areas -- 90 Aug 31 , provides the names and codes that represent the counties and other entities treated as equivalent legal and/or statistical subdivisions of the 50 States, the District of Columbia, and the possessions and freely associated areas of the United States. Counties are considered to be the "first-order subdivisions" of each State and statistically equivalent entity, regardless of their local designations (county, parish, borough, etc.).

For a list of FIPS codes, go to http://www.nws.noaa.gov/mirs/public/prods/maps/cnty_fips_list.htm



FIPS

FIPS Code

MEC021

Commands

Update

Delete

New

Figure 16: Gauge FIPS Configuration

NWS Forecast Zones

NWS Forecast Zones are areas between weather breakpoints – locations used to define and specify endpoints of a region as discussed by meteorologists. The NWS Forecast Zones are combinations of specific latitude and longitude coordinates used in conjunction with geographical features, such as mountain ridges or basins. Gauges may be associated with more than one Forecast Zone.

Forecast Zone codes are 5 alphanumeric characters. The first two alpha characters are the state postal abbreviation in which the zone is located. The three following numbers correlate to the particular zone's relative location within its state, starting in the northwestern corner, going south until it hits the state border, then starting again in the northern half east of the first zones.

For a list of NWS Forecast Zone codes, go to

<http://www.nws.noaa.gov/mirs/public/prods/reports/pfzone.htm>

NWS Forecast Zone

Zone Code

MEZ010

Commands

Update

Delete

New

Figure 17: Gauge Forecast Zone Configuration

Gauge Photo Management

Photos for gauge sites will be uploaded and handled via special site hosted on Eastern Region's Intranet. A link will be provided within the AHPS CMS interface to connect to this site. Users can connect to the tool by clicking the link "click here" highlighted in Figure 18.

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).



Fish River above Fort Kent

Edit

Move Down



Fish River on 4/30/2008 flooded at 13.8 feet

Edit

Move Up

Figure 18: Gauge Photo Management Interface Link

Once photos for gauge sites have been uploaded via the ER hosted tool, users can edit the caption information by clicking the “Edit” button located to the right of the photo.

On the edit photo page (Figure 19), users may edit the photos caption or delete the photo. Once users have finished the necessary updates to the caption, simply click the “Update” button to save the changes.

See Appendix-C for full documentation.

[Back To Gauge](#)



Caption:

Fish River above Fort Kent

Delete

Update

Figure 19: Gauge Photo Editor Tool

Gauge Map Configuration

Users are provided with a dynamic Google Map interface (Figure 20) which identifies the gauge location as well as having the option to overlay FEMA Flood Risk maps. The FEMA overlays are queried directly from the FEMA WMS servers.

- To change the map zoom level use the + / - buttons.
- To change the map center point click on the map and drag it with the mouse.
- Once the map is at the desired levels, simply click the “Update” button.

Note: The gauge latitude and longitude coordinates are driven by the daily NRLDB imports.

? Use the plus and minus controls to set the zoom level of the map then press the **Update** button to save your changes.

Map data ©2014 Google Terms of Use Report a map error

Add option to display FEMA FIS from WMS

Toggle Preview FEMA Overlay ☒

Min Google Map Zoom

Max Google Map Zoom

Figure 20: Gauge Map Configuration

Configuration Item	Remarks
Add option to display FEMA FIS from WMS	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Activates the FEMA overlay for the gauge map.
Toggle Preview FEMA Overlay	<p>Values:</p> <ul style="list-style-type: none"> • Checked • unchecked

	<p>Description:</p> <ul style="list-style-type: none"> • This checkbox is in the AHPS CMS only. When checked, the user can preview the FEMA overlays. <p>Notes:</p> <ul style="list-style-type: none"> • Not all areas have FEMA overlays.
Min Google Map Zoom	<p>Values:</p> <ul style="list-style-type: none"> • Numeric input <p>Description:</p> <ul style="list-style-type: none"> • The minimum allowable zoom level of the map.
Max Google Map Zoom	<p>Values:</p> <ul style="list-style-type: none"> • Numeric input <p>Description:</p> <ul style="list-style-type: none"> • The maximum allowable zoom level of the map.

Probabilistic Configuration

Once users click the “Probabilistic Configuration” button they will be directed to a page where they can select the type of probabilistic information images they would or would not like to include on their gauge pages.

These graphic types may include:

- Weekly Chance of Exceeding Levels
- Chance of Exceeding Levels During Entire Period

Each graphic type have up to three (3) available graphics; each of which may use different units of measurement:

- Stage
- Flow
- Volume

In Figure 21, there are a series of selection boxes that can be set in any possible combination based upon the user’s preference or situation. Users have the option to change the label, adjust the sort order and decide whether or not to show each level. If “Display Graphic” is set to “No” then the settings of “Display Stage”, “Display Flow” and “Display Volume” are ignored. When users are finished with their configuration changes they simply need to click the “Update” button to save the changes.

CTP - Probabilistic Configuration for JRSP1

Probabilistic Images

Weekly Chance of Exceeding Levels

Label:

* Leave label blank to reset to default.

Display Graphic:

Sort Order:

Display Stage

Display Flow

Display Volume

Chance of Exceeding Levels During Entire Period

Label:

* Leave label blank to reset to default.

Display Graphic:

Sort Order:

Display Stage

Display Flow


Display Volume

Update

Return to Gauge Editor

Figure 21: Probabilistic Site Configuration Options

Configuration Item	Remarks
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Display Graphic	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Whether or not to display this graphic type and sub-graphics.
Display Stage	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Whether or not to display the Stage units graphic.
Display Flow	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <p>Whether or not to display the Flow units graphic.</p>
Display Volume	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Whether or not to display the Volume units graphic.

Low Water Impacts

When users select "Yes" to display Low Water Impacts within the dropdown selection box and the "Update" button is clicked, an additional [Edit Impacts](#) button appears. Once users click this new "Edit Impacts" button, they will be directed to the "Low Water Impacts" edit page (Figure 22). They can add Low Water values or ranges and the impact text that goes along with it. The impacts may be sorted via the "Move Up" or "Move Down" buttons located to the right of the impact text box. These items can be deleted and/or updated after the text has been edited on existing values.

AHPSNWS HSA

Options: - Admin Gauges Go

Low Water Impacts for DOVM1

The new impact statement was successfully added.

Low Water Value/Range	Impact Text	Commands
5.0 kcfs	Flow affect text goes here.	UpdateDeleteMove Down
5.2 kcfs	Additional text goes here.	UpdateDeleteMove Up
		Add

Return to Gauge Editor

Figure 20: Low Water Impacts Edit Page

Edit Up/Down Stream

This page allows users to enter into the AHPS CMS the relationship a particular gauge has with other gauges around it (Figure 21). With this page users can set both a primary and a secondary gauge that is either up or down stream in relation to this gauge. If a gauge has either two up or down stream gauges a new fork arrow will be visible on the Hydrograph page and the end user will be presented with the option of which patch to follow.

The “Gauge List” button will show the gauge you have selected, along with the gauges found in order above and below it, starting upstream and working its way down.

Note: The Edit Up/Down Stream page only affects the arrows which appear beneath the hydrographs in Figure 22. To establish or edit the gauge sort order see the Waterway edit page.

CAR - Up/Downstream Locations for DOVM1

This page may take some time to load. Please be patient.

Primary Upstream Location BLAM1 – Piscataquis River at Blanchard Gauge List

Primary locations setup to point back down to this gauge:
Piscataquis River at Blanchard (BLAM1)

Primary Downstream Location MFDM1 – Piscataquis River at Medford Gauge List

Primary locations setup to point back up to this gauge:
Piscataquis River at Medford (MFDM1)

Secondary Upstream Location None Specified

Secondary locations setup to point back down to this gauge: **none**

Secondary Downstream Location None Specified

Secondary locations setup to point back up to this gauge: **none**

[Update](#)

[Return to Gauge Editor](#)

Figure 21: Edit Up/Down Stream Gauge Options

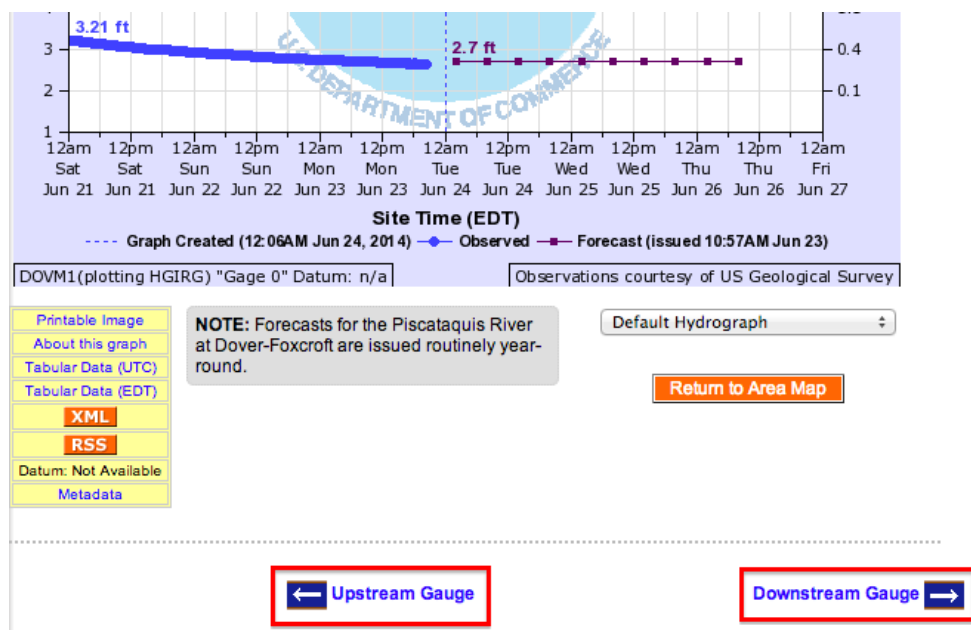


Figure 22: Up/Downstream Arrows

Edit HydroGen

HydroGen is suite of software programs that collect gauge observation and forecast data, store it in a database and generate hydrograph graphics for display on the web. The configuration parameter may be seen in Figure 23.

Adjust Sensor Settings

Sensor In Service

Override HydroGen Gauge Name

HydroGen Gauge Name Text

HydroGen Days Ahead

HydroGen Days Back

Show Right-hand Y-Axis

Flow Units

Show Forecast Trace

Show Observed Trace

Use Computed Rating

Suppress Plotting of Observation Data

Suppress Plotting of Forecast Data

Figure 23: HydroGen Configuration

Configuration Item	Remarks
Sensor In Service	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Defines whether this sensor is in service. <p>Notes:</p> <ul style="list-style-type: none"> • If the sensor is out of service, no hydrographs will be generated. • If the sensor is out of service, the map marker will appear as a black marker only.
Override HydroGen Gauge Name	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No

	<p>Description:</p> <ul style="list-style-type: none"> ● If set to “Yes”, a text input will display once the page has been saved. Users may override the name of the gauge as it appears in the Hydrograph image title.
HydroGen Days Ahead	<p>Values:</p> <ul style="list-style-type: none"> ● Dropdown box <ul style="list-style-type: none"> ○ 0 through 14 days ○ All Available <p>Description:</p> <ul style="list-style-type: none"> ● Will display up to the selected days of forecast data if available. <p>Note:</p> <ul style="list-style-type: none"> ● This value drives the forecast slider visible on the State, RFC, WRR and HSA forecast pages as well as truncating the visible data (if any) on the Hydrographs, Tabular Data, XML, and RSS feeds to all display data in a consistent way.
HydroGen Days Back	<p>Values:</p> <ul style="list-style-type: none"> ● Dropdown box <ul style="list-style-type: none"> ○ 0 through 10 days <p>Description:</p> <ul style="list-style-type: none"> ● Will display up to the selected days of observed data if available. <p>Note:</p> <ul style="list-style-type: none"> ● This value truncates the visible data (if any) on the Hydrographs, Tabular Data, XML, and RSS feeds to all display data in a consistent way.
Show Right-hand Y-Axis	<p>Values:</p> <ul style="list-style-type: none"> ● Yes ● No <p>Description:</p> <ul style="list-style-type: none"> ● If set to “Yes”, show correlating secondary value label on the right-hand side of the hydrographs.
Flow Units	<p>Values:</p> <ul style="list-style-type: none"> ● kcfs ● cfs <p>Description:</p> <ul style="list-style-type: none"> ● Selects whether to display flow in cfs or kcfs.
Show Forecast Trace	<p>Values:</p> <ul style="list-style-type: none"> ● Yes ● No

	<p>Description:</p> <ul style="list-style-type: none"> • Connect the plotted forecast data points with a line.
Show Observed Trace	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Connect the plotted observation data points with a line.
Use Computed Rating	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No
Suppress Plotting of Observation Data	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Do not plot observed data on the hydrograph. <p>Notes:</p> <ul style="list-style-type: none"> • If this is set to "YES" the gauge will not be plotted on any of the observed data maps (national, WRR, State, RFC or HSA).
Suppress Plotting of Forecast Data	<p>Values:</p> <ul style="list-style-type: none"> • Yes • No <p>Description:</p> <ul style="list-style-type: none"> • Do not plot forecast data on the hydrograph. <p>Notes:</p> <ul style="list-style-type: none"> • If this is set to "YES" the gauge will not be plotted on any of the forecast data maps (national, WRR, State, RFC or HSA).

PEDTS Code Configuration

The observation and forecast PEDTS Code configuration sections (Figure 24) define the primary and backup data sources which are used to drive the <http://water.weather.gov> web pages and hydrographs.

Note: Prior to this release (Rev 5.5), only the observation PEDTS codes were definable via the AHPS CMS. Previously, the forecast PEDTS codes were derived from the current active observation code and could not be modified via the AHPS CMS unless the observation PEDTS was changed as well. Due to popular demand, the forecast PEDTS codes have been made independent of the observation PEDTS codes.

This change now allows:

- *The forecast PEDTS codes to be defined, prioritized and managed exactly like the observation PEDTS codes.*
- *Forecasts may be plotted without the need for current observation data (forecast-only locations don't need to send -9999 heartbeats anymore).*
- *Backup forecast PEDTS codes may not be defined independently of the defined and/or used observation PEDTS code.*
- *On-the-fly forecast PEDTS code changes to switch the forecast data type plotted on the hydrographs and use through <http://water.weather.gov> via the AHPS CMS.*

Users may add multiple PEDTS codes (if available) by selecting the desired code from the “Add PEDTS Code” dropdown and clicking the “Add” button.

Note: By “Adding” a PEDTS code to the AHPS CMS does not mean the data is available as the PEDTS codes still need to be properly configured in HydroBase to send the data to AHPS.

To delete a PEDTS code, click on the trashcan icon to the right of the desired PEDTS code.

The “Timeout Duration” is the maximum number of hours in which no data is received for that PEDTS code. To modify, change the “Duration” input value and click the “Update” button. If data is not received for the current active PEDTS code within the defined duration, it will fail over to the next priority PEDTS and a “Reset Alternate PEDTS” button will appear. Should a failover happen, an email will be sent to the gauge administrators with instructions on how to reset the failed over location. If all PEDTS codes have failed over, the code will continue to monitor the priority 1 PEDTS code and once data flow has been reestablished, will use that code.

PEDTS codes may be prioritized by dragging and dropping into the desired order and clicking the “Update” button.

The “Last Plotted on Hydrograph” is the date and time in UTC when that PEDTS code was last used to plot the data on the hydrograph.

? To add a new **Observation PEDTS Code** or **Forecast PEDTS Code**, select the desired PEDTS code from the dropdown box and click on the Add button.

To prioritize the PEDTS codes, drag and drop each PEDTS code into the position of your choosing by clicking on the up/down arrows icon to the left of the PEDTS code. Click on the update button to save your changes.

To delete a PEDTS code, click on the trash can icon located on the right of the PEDTS code. Click on the update button to save your changes.

The green hi-lighted PEDTS code was last used to draw the hydrograph.

A **Reset Alternate PEDTS** button may be appear to the left of the **Update** button. The Reset Alternate PEDTS button is used to reset the update times of all applied PEDTS codes.

Observation PEDTS Codes

	PEDTS	Priority	Timeout Duration (Hours)	Last Plotted on Hydrograph	
	Add PEDTS Code ▾ Add				
⇅	HGIRG	1	30	May 13, 2014 - 00:04 UTC	🗑
⇅	QRIRZ	2	24	May 12, 2014 - 20:19 UTC	🗑
Update					

Forecast PEDTS Codes

	PEDTS	Priority	Timeout Duration (Hours)	Last Plotted on Hydrograph	
	Add PEDTS Code ▾ Add				
⇅	HGIFZ	1	96	May 13, 2014 - 00:04 UTC	🗑
Update					

? When adding a new gauge or changing the type source or physical element, please check your HydroGen configuration to verify it is configured correctly for the PEDTS.

You can check HydroGen via Hydrobase setup menu, HydroGen Configuration. This GUI will show all of the stations that are currently defined. Go to the Location: box and edit the lid. Choose the Forecast Type Source and Type Source from the pull-down menus. Choose the Physical Element from the list, then click Save.

Additional Note: When adding a new location into Hydrobase, you must stop and then restart the SHEFdecoder.

Figure 24: PEDTS Configuration

NRLDB Data

The NRLDB (National River Location Database) Data for a gauge is also displayed on the Edit HydroGen Page (Figure 25). These values are updated daily by the NRLDB and cannot be edited by CMS users.

Hydrologic data (such as forecasts, latitude, longitude, and flood category heights) is collected from NWS-serviced Weather Forecast Offices and stored in one centralized location – the NRLDB – to better facilitate and quantify benefits provided by NWS whenever such information is needed for determining how to distribute support or when further research guidance is needed.

NRLDB Data

▼ HG STATION

LID

PE

TS

FCSTTS

JRSP1

HG

RG

FF

JRSP1

HG

RZ

FF

▶ Ratings

▶ Flood Categories

▶ Crests (stage)

▶ Crests (flow)

▶ Low Water Records

▶ Flood Impacts

▶ Location

▶ River Stat

Figure 25: NRLDB Configuration

Terms and abbreviations used within the NRLDB Section:

Configuration Item	Remarks
HG Station	HydroGen Station – Heading for cluster of data. Settings established for the station within the NRLDB.
PE	Physical Element – Abbreviation for physical metrics by which data can be established (water volume depth, gate openings total, et al.)
TS	Type Source – SHEF type sources.
FCSTTS	Forecast Type Source
Ratings	A metric of how much water is being discharged (discharge) in Cubic Feet per Second (CFS) when gauges measure a specific water depth (Stage (feet)).
Flood categories	Stage depths at each category of flood, from “Action” through “Major” levels
Crests	Historical records of greatest flow and depth river crests for location.
Low Water Records	Historical records for lowest values reported for river beds.
Flood Impacts	How flooding will affect the surrounding land at various stage heights or flow values.
Location	General information for the site, including latitude, longitude, US Geological Survey ID number, Army Corps of Engineers ID number, Horizontal datum, Zero datum, and River Forecast Center in which the site is located.

Edit Datums

Users have the ability to input reference datums for each gauge (Figure 26). There is also a table that allows you input the NWS stage as well as the vertical datum elevation information.

ALY - Edit Gauge ALBN6

Vertical Datum

Horizontal Datum

Datum Note

More information on FEMA flood maps is available at msc.fema.gov

River Stage Reference Frame	Gauge Height	Flood Stage	Uses
NWS stage	<input type="text" value="0"/>	11 ft	Interpreting hydrographs and NWS watch, warnings, and forecasts, and inundation maps
Vertical Datum	Elevation (gauge height = 0)	Elevation (gauge height = flood stage)	Elevation information source
NAVD88	<input type="text"/>	<input type="text"/>	Survey grade GPS equipment, FEMA flood plain maps, newer USGS topographic maps
NGVD29	<input type="text" value="0 ft"/>	<input type="text" value="11 ft"/>	Older USGS topographic maps, NGVD29 benchmarks
MSL	<input type="text"/>	<input type="text"/>	Older USGS topographic maps, MSL benchmarks
Other	<input type="text"/>	<input type="text"/>	

Figure 26: Edit Datums Gauge Options

Configuration Item	Remarks
Vertical Datum	Values: <ul style="list-style-type: none"> None Selected NAVD88 NAVD29
Horizontal Datum	Values: <ul style="list-style-type: none"> Unknown NAD83/WGS84 NAD27


	<ul style="list-style-type: none"> • OHD1913 (Old Hawaiian) • PRVI • Other
Datum Note	<p>Values:</p> <ul style="list-style-type: none"> • Dropdown box <p>Description:</p> <ul style="list-style-type: none"> • Dropdown box with different notes to be displayed below the hydrograph.

Webpage Dropdown Navigation Page

The Dropdown Navigation Page (Figure 27) allows users to manage the name and order of the waterbodies listed in the River Menu dropdowns which appear below the HSA Google map (Figure 28).

The “Navigation Dropdown Name” in Figure 27 is the label of the dropdown which appears below the HSA Google map (Figure 28). The name of this dropdown has no bearing on what rivers are associated to it as it is only a label.

DMX - Webpage Dropdown Navigation

 This page is to create, edit or delete the river group dropdowns which are displayed beneath the HSA Google Map in the "River Menus" tab.

Click "Edit" to view the rivers associated with this river group and make changes.

Note: If more than one river is added to a river group, the dropdown box on the AHPS web page will automatically have the words "(and Tributaries)" to it.

To add rivers to your HSA, [Click here.](#)

Navigation Dropdown Name	Display Order	Commands		
<input type="text" value="Wapsipinicon River Basin"/>	<input type="text" value="1"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Iowa River Basin"/>	<input type="text" value="2"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Cedar River Basin"/>	<input type="text" value="3"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Skunk River Basin"/>	<input type="text" value="4"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Des Moines River Basin (above)"/>	<input type="text" value="5"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Des Moines River Basin (below)"/>	<input type="text" value="6"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Raccoon River Basin"/>	<input type="text" value="7"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Fox River Basin"/>	<input type="text" value="8"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Nishnabotna River Basin"/>	<input type="text" value="9"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="102 River Basin"/>	<input type="text" value="10"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Thompson River Basin"/>	<input type="text" value="11"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value="Chariton River Basin"/>	<input type="text" value="12"/>	<input type="button" value="Update"/>	<input type="button" value="Delete"/>	<input type="button" value="Edit"/>
<input type="text" value=""/>		<input type="button" value="New"/>		

Figure 27: River Menu Configuration

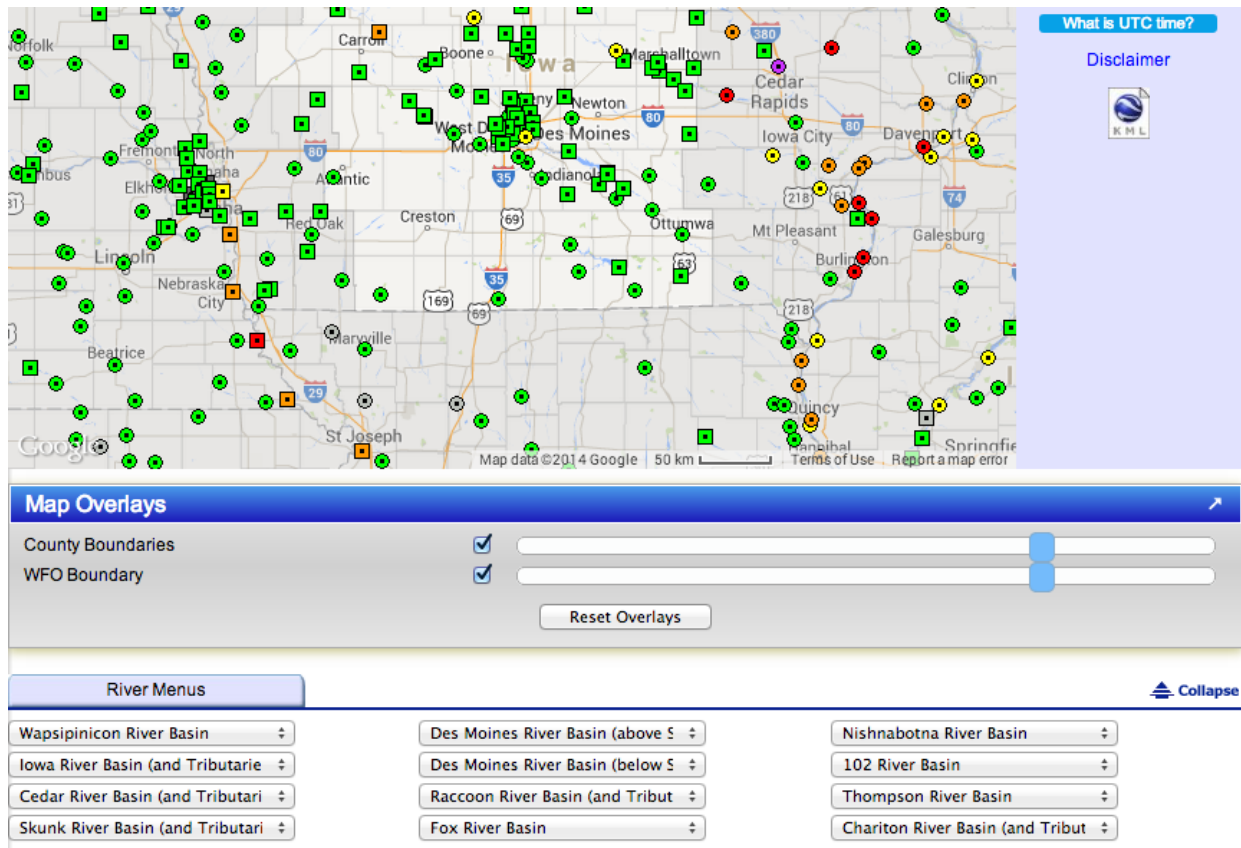


Figure 28: River Menu Frontend

To add rivers to a dropdown, click on the “Edit” button next to the desired label and you will be taken to the “WFO River” page (Figure 29). Here you may add and sort the rivers which will be grouped under the River Menu dropdowns.

If more than one waterbody is added under a “Navigation Dropdown Name”, the dropdown box on the AHPS web page will automatically add the words “(and Tributaries)” to the River Menu dropdown box name.

DMX - WFO River

? This page is to add or remove rivers to the selected river group dropdowns which are displayed beneath the HSA Google Map in the "River Menus" tab.

If you do not see the river you need listed in the "River Name" dropdown below:

1. Make sure you have added the river to your HSA [HERE](#).
2. You must have at least one gauge associated to the river for it to be listed. To verify this [Click HERE](#).

Note: The river set to "Display Order 1" will always be shown as the primary value of the dropdown which are displayed beneath the HSA Google Map in the "River Menus" tab. Additional associated rivers will be listed as tributaries under the primary river.

River Name	Display Order	Commands
Des Moines River	1 ▼	Update Delete
Beaver Creek (Central IA)	2 ▼	Update Delete
Fourmile Creek	3 ▼	Update Delete
North River	4 ▼	Update Delete
Middle River	6 ▼	Update Delete
South River	7 ▼	Update Delete
White Breast Creek	8 ▼	Update Delete
Cedar Creek	9 ▼	Update Delete
English Creek	10 ▼	Update Delete
Beaver Creek (Central IA) ▼	11 ▼	New

[Return to Dropdowns](#)

Figure 29: DMX River grouping page

Other Information

Users have the ability to input custom entries to the Other Information page (Figure 30). On this page, users can input new information, delete or update current information.

First users will create the "Category"; Update, Delete, and Edit options will appear next to the item.

Second, users will be taken to a page where they can input links for this category (Figure 31). Once the information is added and Update is clicked, it can then be viewed on the AHPS page by clicking on the Other Information tab (Figure 32).

Note: In order for the information to be seen on the web frontend, the "Display Other Information" dropdown needs to be set to "Yes" on the HSA configuration page.

Options: - Other info

Other Information Categories for CAR

The category was successfully added.

Name	Display Order	Commands
NASA	1	Update Delete Edit
	2	Add

US Dept of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
1325 East West Highway
Silver Spring, MD 20910

Disclaimer Credits Glossary Privacy Career Opps

Web master's email: nws.cms@noaa.gov
otherinfocats.php last modified at Tue Apr 15 16:06:25 EDT 2014.

Figure 30: Other Information Categories

AHPS NWS HSA

Options: - Admin Gauges Go

NASA Editor

URL	Link Text	Display Order	Commands
http://www.nasa.gov	NASA	1	Update Delete
		2	Add

Please remember to start all external links with http://. Also, you no longer need to include the WFO exit page /ahps2/mwsexit.php?url= link. Simply include the URL and the site will dynamically add the jump-page redirection information.

Edit Other Links

Figure 31: Category Link Editor

Weather Forecast Office Albany, NY

River Observations River Forecasts Precipitation Download Other Information

NASA

- NASA

Figure 32: Other Information Frontend Page

Radar Links

On the Radar Links page (Figure 33), users may setup link to multiple radar sites which will appear in the left hand menu on their AHPS HSA page (Figure 34). To do this, users will select Radar Links from the AHPS CMS “Options” Dropdown Menu. Users can link to multiple radar sites, users can click the “New” button and an entry will appear that can be filled in with the new link’s information. Once users have

completed this, they can then view the new radar links on the blue left-hand navigation side of the AHPS page for their HSA (Figure 34).

The screenshot shows the AHPS configuration interface. At the top, there are two tabs: 'AHPS' and 'NWS HSA'. Below the tabs is a navigation bar with 'Options: - Radar Links' and a 'Go' button. The main heading is 'CAR - Radar Links'. Below this, there are three columns: 'URL', 'Link Text', and 'Commands'. The 'URL' column contains the text 'http://radar.weather.gov/radar.php?rid=cbw'. The 'Link Text' column contains the text 'Radar'. The 'Commands' column contains a dropdown menu with '1' selected. To the right of the dropdown are three buttons: 'Update', 'Delete', and 'Edit'. Below these buttons is a 'New' button.

Figure 33: Radar Links



Figure 34: Radar Links in Action

HSA Main Page

AHPS-specific HSA items, such as AHPS Webmaster question email configuration and additional hydrologic resource links, are edited via the AHPS HSA page (Figure 35a and Figure 35b).

The Google map on the HSA Main page may be used to reposition the default HSA view upon initial map load. It displays the gauges and updates after each move of the map so HSA admins can adjust the center point and zoom level to display their desired gauges.

Note: The core HSA webpage configuration items are editable under the "NWS HSA" Module tab.

DMX - HSA Main

Precip. URL


QPF URL

Display "Other Information" Tab

Region

Plain text or HTML formatted text goes here.

Display Unique HSA Level Data

 Set the map's center point and zoom level by clicking, dragging and scrolling with your mouse or by using the Google Map controls located on the map. When you're done making adjustments, press **Update** to save your changes.

Map Center Latitude

Map Center Longitude

Zoom Level

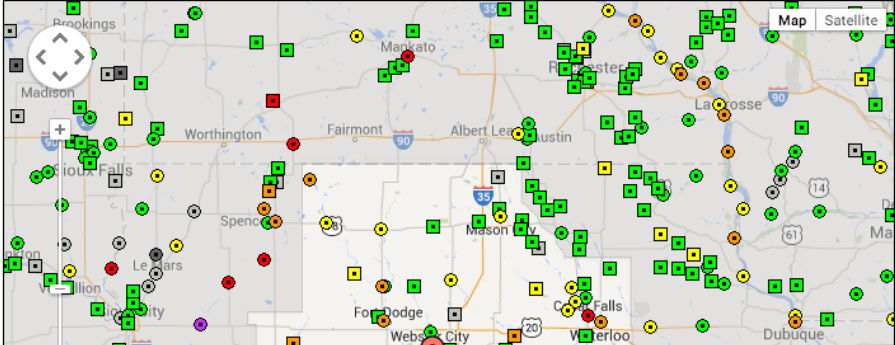


Figure 35a: AHPS Specific HSA Page

Additional Edit Options

Edit Dropdown Nav.

Additional Resource Links

Link Text	URL	Sort Order	Command
US Geological Survey	http://www.crh.noaa.gov/n	1 ↓	Update Delete
US Geological Survey	http://www.crh.noaa.gov/n	2 ↓	Update Delete
US Army Corps of E	http://www.crh.noaa.gov/n	3 ↓	Update Delete
Iowa Flood Center	http://www.crh.noaa.gov/n	4 ↓	Update Delete
NWS River Forecast	https://nwschat.weather.go	5 ↓	Update Delete
NWS Des Moines Hy	http://www.crh.noaa.gov/d	6 ↓	Update Delete
Snow Information	http://www.noahsc.noaa.go	7 ↓	Update Delete
			New

Hydrological Resource Links

Link Text	URL	Sort Order	Command
Hourly River Stages	http://forecast.weather.gov	1 ↓	Update Delete
NWS AHPS Inundati	http://water.weather.gov/a	2 ↓	Update Delete
Flash Flood Potenti	http://www.crh.noaa.gov/d	3 ↓	Update Delete
			New

Ask Questions / Webmaster Address(es) / PEDTS Fail over Monitoring

Email Address	Addressing Type	Command
jeff.zogg@noaa.gov	To: ↓	Update Delete
shane.searcy@noaa.gov	To: ↓	Update Delete
w-dmx.webmaster@noaa.gov	To: ↓	Update Delete
	To: ↓	New

Nonstandard Text Products

PIL [cccNNNxxx]	Category	Command
	Flash Flood Warning ↓	New

Figure 35b: AHPS Specific HSA Page

Configuration Item	Remarks
Precip. URL	Value: <ul style="list-style-type: none">Text input Description: <ul style="list-style-type: none">The URL is linked to the Past Precipitation link under Hydrologic Resources on the HSA page.
QPF URL	Value: <ul style="list-style-type: none">Text input Description:

	<ul style="list-style-type: none"> This URL is linked to the Forecast Precipitation link under Hydrologic Resources on the HSA page.
Display “Other Information” Tab	Value: <ul style="list-style-type: none"> Yes No Description: <ul style="list-style-type: none"> This dropdown shows or hides the “Other Information” Tab on the HSA page.
Region	Value: <ul style="list-style-type: none"> None Description: <ul style="list-style-type: none"> NWS Region. Notes: <ul style="list-style-type: none"> This value is automatically assigned when creating the new gauge. It is based on the gauge’s geographical location and places it within one of the six regions: Eastern, Central, Southern, Western, Alaska or Pacific.
Display Unique HSA Level Data	Value: <ul style="list-style-type: none"> Textarea input Description: <ul style="list-style-type: none"> Text or HTML that will appear as "Unique Local Data" on the bottom of the HSA main page.
Map Center Latitude	Value: <ul style="list-style-type: none"> Numeric input Description: <ul style="list-style-type: none"> Initial center point latitude of HSA map display
Map Center Longitude	Value: <ul style="list-style-type: none"> Numeric input Description: <ul style="list-style-type: none"> Initial center point longitude of HSA map display.
Zoom Level	Value: <ul style="list-style-type: none"> Numeric input Description:

	<ul style="list-style-type: none"> Initial zoom level on initial HSA map display.
Additional Resource Links	Additional resource links can be added via this input. Input requires the link text and URL. The “new” button must be clicked after input has been entered. If a link text or URL has been modified, the “update” button should be used to save the data to the configuration database.
Hydrological Resource Links	Hydrological resource links can be added via this input. Input requires the link text and URL. The “new” button must be clicked after input has been entered. If a link text or URL has been modified, the “update” button should be used to save the data to the configuration database.
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of AHPS web pages.
Non-Standard Text Products	This feature allows HSA(s) to add additional NWS products under the Text Product page link. This feature will allow nonstandard AHPS products to be added. Input for the field is the three-letter identifier of the product.

Appendix A – NWS HSA Module

HSA Configuration Module

When a user selects the module NWS HSA, they are directed to a page that will allow them to select either one or multiple HSAs depending upon their access configuration. Usually standard users will only have access to one HSA. Once a user selects a HSA, they are directed to a HSA Configuration Page, see (*Figures A-1 and A-2*)

Options: - Pick HSA Go

Click on a column name (City or Abbrev) to sort the HSAs by that column.

City	Abbrev
Caribou, ME	CAR

Figure A-1: HSA Selection

Clicking on the HSA link will take you to this interface:

Options: - HSA (CAR) Go

CAR - HSA Main

HSA City Name: Caribou

State: Maine

Postal Street Address: 810 Main St.

Postal City Name: Caribou

Zip Code: 04736

Public Phone: (207) 492-0170

Webmaster: carwebmaster@noaa.gov

Time Zone: EST/EDT

Home Link URL: http://www.erh.noaa.gov/car/

Update

Ask Questions / Webmaster Address(es)

Email Address	Addressing Type	Command
carwebmaster@noaa.gov	To:	Update Delete
	To:	New

Figure A-2: NWS HSA Configuration Page

Configuration Item	Remarks
HSA City Name	The official HSA name
State	Dropdown selection box. State in which HSA is located.
Postal Street Address	Mailing address street address of the HSA. This information is used in the footer of each HSA AHPS page.
Postal City Name	Mailing address city name of the HSA. This information is used in the footer of each HSA AHPS page.
Zip Code	Mailing address zip code of the HSA. This information is used in the footer of each HSA AHPS page.
Public Phone	Public phone number of HSA.
Webmaster	Webmaster point of contact information
Time Zone	Dropdown selection box to select time zone
Home Link URL	URL of the HSA Homepage or HSA AHPS Page
Ask Questions / Webmaster Address(es)	Email address(es) listed in this section will be linked to in the footer of NWS HSA Home CMS Driven Web pages.

Once changes are made to configuration data, the user will need to click on the [Update](#) button for the section they have modified. This will save the modification to the configuration database.

Preferences Page

The Preferences Page Figure A-3 allows the user to control Daily Summary and Real-time email notification settings. A Daily Summary email includes all NWS HSA CMS changes made for a 24-hour period and is transmitted once every 24 hours. A Real-time email includes changes that are made throughout the day and are transmitted as changes are made. The end user will only receive emails if changes have been made to a NWS HSA Web page that they have been associated with in their access configuration.

Figure A-3: Preferences Page



Appendix B – Map Layer(s) Editor

Map Layers Editing has been removed with the introduction of Google Mapping.



Appendix C – Gauge Photo Upload Tool

Background

The AHPS Gauge Photo Upload Tool was designed to allow NWS AHPS users to upload and edit AHPS Gauge Photo Information within a uniform interface for all Regions. This tool eliminates the need to store gauge photos in a directory within the Regional Systems and prevents errant file naming from hindering the display of the images.

The tool can be accessed at:

https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php

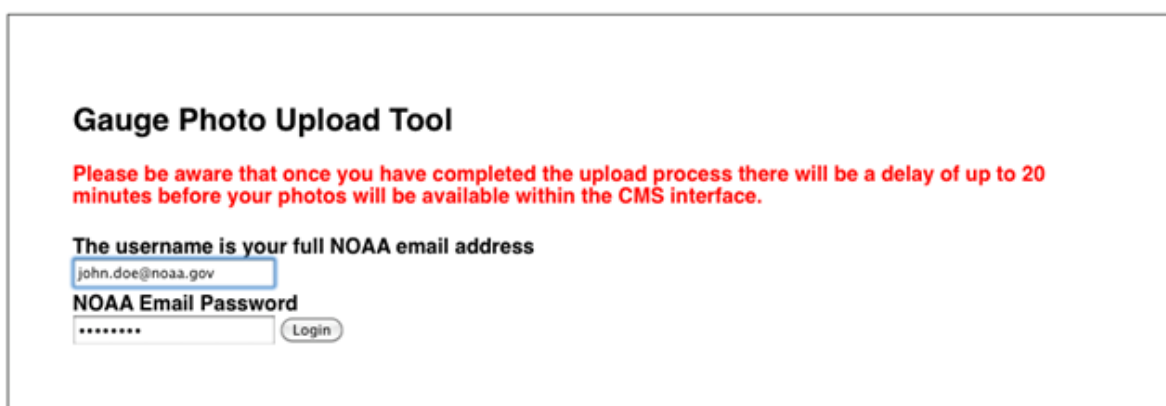
The screenshot shows the login interface for the Gauge Photo Upload Tool. At the top, the title "Gauge Photo Upload Tool" is displayed. Below the title, a red warning message states: "Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface." Underneath the warning, a note specifies: "The username is your full NOAA email address". There are two input fields: the first is for the username, containing the text "john.doe@noaa.gov", and the second is for the "NOAA Email Password", which is masked with asterisks. A "Login" button is positioned to the right of the password field.

Figure C-1: AHPS Gauge Photo Tool Login page

Interface

The AHPS Gauge Photo Tool interface requires 5 steps to be completed to ensure a successful upload:

- Login
- HSA Selection
- NWSLI Selection
- Image File Browse/Preview
- Upload of File
- Add/Edit Photo Caption Information (AHPS CMS)

Login

Users will notice within the AHPS CMS that the usual photo management area has been replaced with a link to the new AHPS Photo Management Tool. Users can click the “click here” to be directed to the tool. (https://collaborate.werh.noaa.gov/ahps/photo_upload/index.php)

Photo

Photos with no caption specified will not display on the hydrograph page.
If you would like to upload photos [click here](#).

Figure C-2: AHPS CMS Link Area

Once users have clicked the link they will be directed to the server in Eastern Region that hosts the tool. Depending on whether or not users have been to this server/tool before and how their machine handles cookies, users may be prompted with a login as shown in Figure C-3.

***Please Note: The login to this server should be in the format of firstname.lastname and DOES NOT need to include @noaa.gov. Whereas the Photo Upload Tool login that follows this login requires the full email address format.

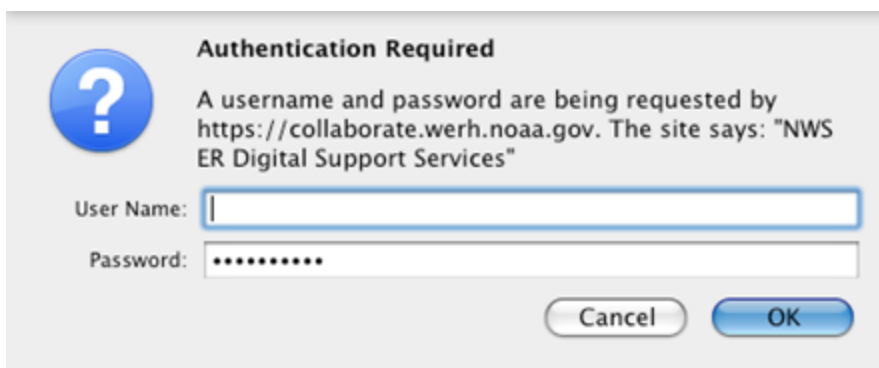
A dialog box titled "Authentication Required" with a blue question mark icon. The text inside says: "A username and password are being requested by https://collaborate.werh.noaa.gov. The site says: 'NWS ER Digital Support Services'". Below this text are two input fields: "User Name:" followed by a text box, and "Password:" followed by a password box with masked characters. At the bottom right are two buttons: "Cancel" and "OK".

Figure C-3: ER Digital Support Services Server Login

The login page of the AHPS Photo Management Tool as seen below. Users will need to login using the same login that they use with the AHPS CMS (full NOAA email address e.g.. john.doe@noaa.gov).

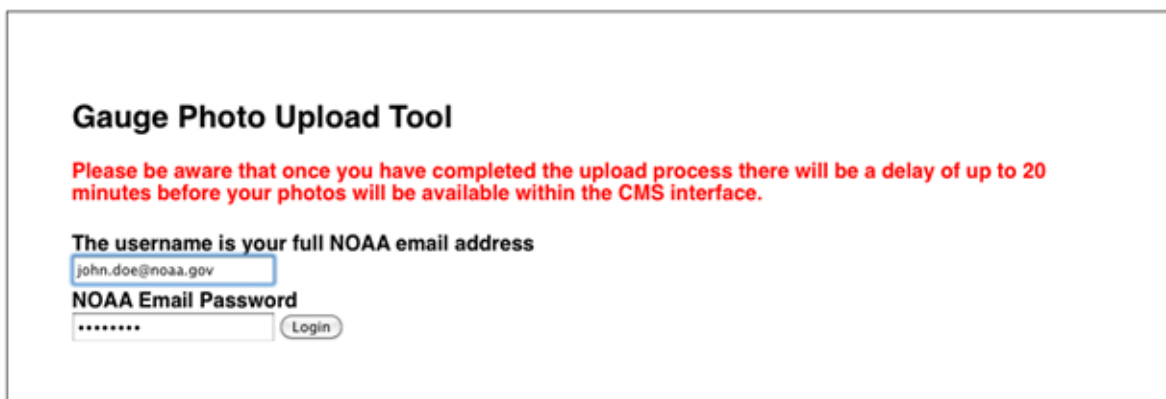
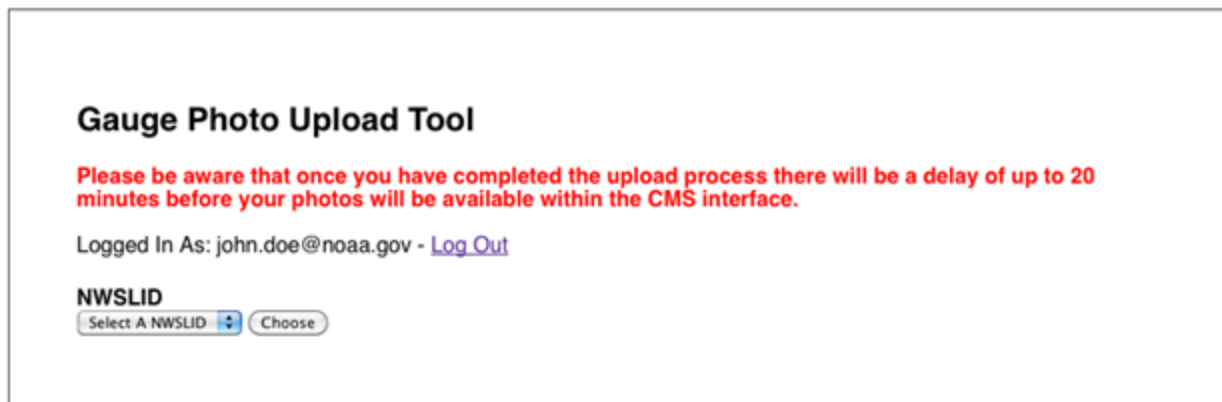
A login screen titled "Gauge Photo Upload Tool". It contains a red warning message: "Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface." Below this, it says "The username is your full NOAA email address" and shows a text box with "john.doe@noaa.gov". Underneath is "NOAA Email Password" with a password box and a "Login" button.

Figure C-4: Login Screen

HSA Selection

After users have logged in they will be directed to a page that will display the username and a dropdown selection menu that will contain the HSA that the user has access to. Next, the user will need to select the HSA that the desired sensor is associated with from the menu.



Gauge Photo Upload Tool

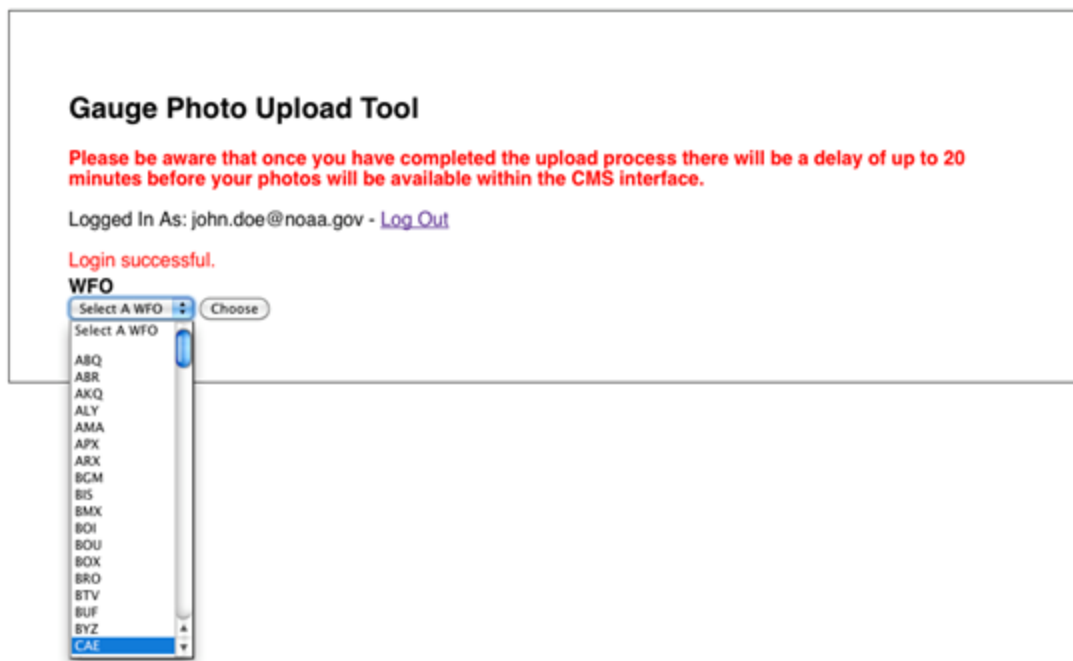
Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

NWSLID

Select A NWSLID

Figure C-5: Successful Login Page



Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

Login successful.

WFO

Select A WFO

- Select A WFO
- ABQ
- ABR
- AKQ
- ALY
- AMA
- APX
- ARX
- BGM
- BIS
- BMX
- BOI
- BOU
- BOX
- BRO
- BTV
- BUF
- BYZ
- CAE

Figure C-6: Selection of HSA

NWSLI Selection

After users have selected the desired HSA, they will be taken to another screen that will provide an NWSLI dropdown selection menu. Users will simply click the menu (sorted alphabetically) and choose the site ID that they would like to upload an image for. (See [Figure C-7](#) below.)

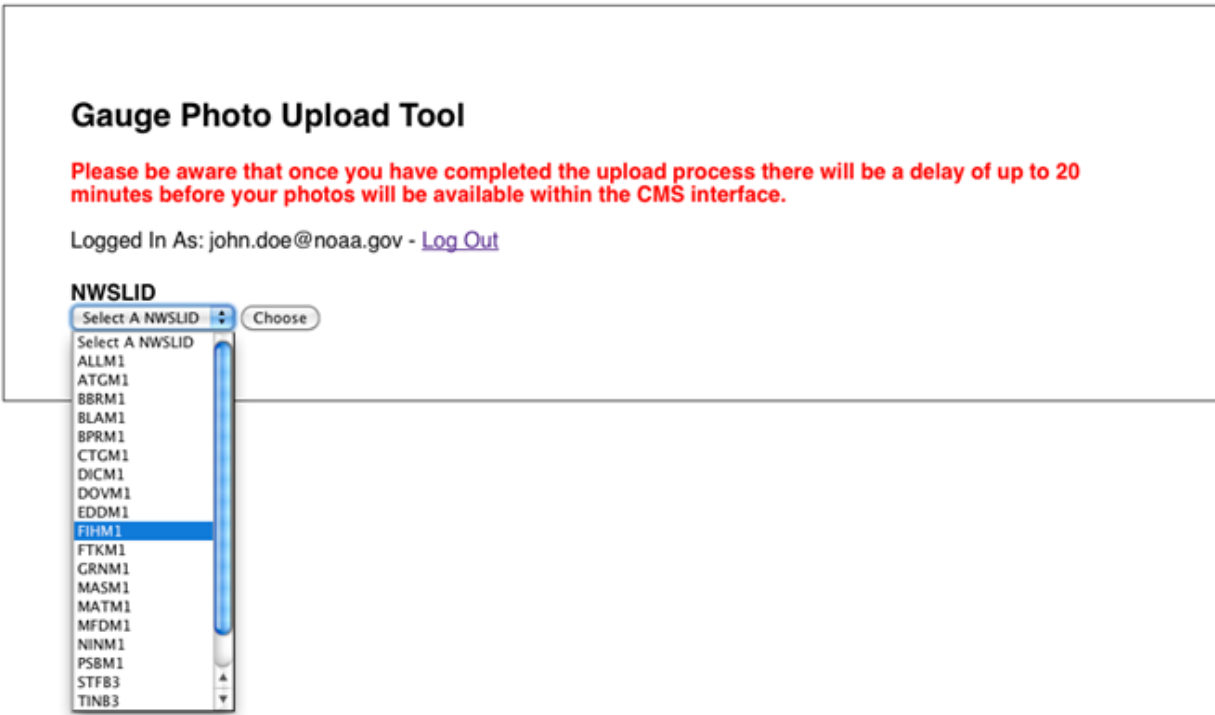


Figure C-7: NWSLI Selection

Image File Browse/Preview

After users have successfully located and selected the appropriate NWSLI, they will then be provided with an interface in which to select a local image file. Users will click the **Browse...** button to bring up the file selection window. After users have selected the desired file users can click **Preview** to view the file within the interface.

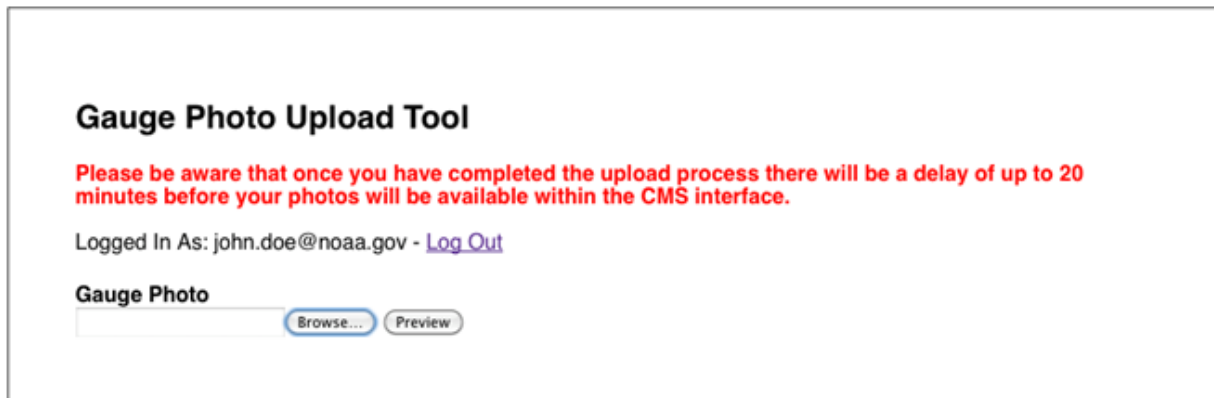


Figure C-8: Image File Browse/Preview Page

Upload of File


Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)



Figure C-9: Sample Photo Selected and Previewed

After users have selected their desired image file and previewed the image to ensure it will display the way they wish, they should click  to queue the image file to move the AHPS servers.

Gauge Photo Upload Tool

Please be aware that once you have completed the upload process there will be a delay of up to 20 minutes before your photos will be available within the CMS interface.

Logged In As: john.doe@noaa.gov - [Log Out](#)

The gauge photo was uploaded successfully.

The uploaded gauge photo will be available on the corresponding gauge edit page within 20 minutes. Once available please edit the caption for your photo and it will be presented on the appropriate ahps pages.

[Upload another photo for this location.](#)

[Upload photos to a new location.](#)

Figure C-10: Successful Upload Confirmation Screen

When users have successfully uploaded their desired image they will be directed to a page where they can either upload additional photos for this location, choose to upload images to another location within the area of their responsibility, or simply log out of the tool. After the 20- minute period has passed, please login to the AHPS CMS and navigate to the corresponding “Gauge edit” page and edit the captions of the images so they will display on the hydrograph pages. See below:

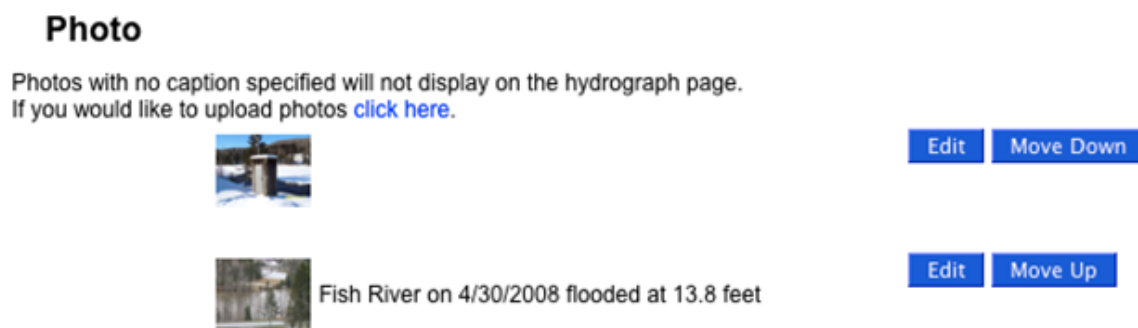


Figure C-11: Caption/Photo Edit Area Gauge Edit Page (AHPS CMS)

Users will simply need to click **Edit** located to the right of the image thumbnail to access the area where they can add the text for the caption. See below:



Figure C-12: Caption Text Edit Area (AHPS CMS)

After the text has been input, users will click **Update** to add the caption to the image. Users will see a confirmation text appear below the **Update** button shown below. To return to the Gauge Edit Page, users will need to click “Back To Gauge” located just above the image. Once this has been completed users will be able to view the images on the hydrograph page, see below.

Flood Impacts & Photos

Collapse

13 MAJOR FLOODING - DOZENS OF HOMES/CAMPS INUNDATED FROM PORTAGE LAKE TO ST. FROID LAKE TO EAGLE LAKE AND BEYOND. RIVER OVERTOPS THE DECKING OF THE MAIN STREET BRIDGE IN FORT KENT. BLOCKHOUSE AREA AND MUCH OF WEST MAIN STREET IN FORT KENT INUNDATED. EVACUATIONS PROBABLE.

12 MODERATE FLOODING - HOMES IN THE SOLDIER POND AREA OF WALLAGRASS THREATENED. WEST APPROACH OF SOLDIER POND BRIDGE INUNDATED AND BRIDGE CLOSED. EVACUATIONS POSSIBLE.

11 MINOR FLOODING - CAMPS/HOMES THREATENED ON THE FISH RIVER CHAIN OF LAKES.

10 RIVER APPROACHES BANKFULL.

Photos

(1) [Fish River above Fort Kent](#)

(2) [Fish River on 4/30/2008 flooded at 13.8 feet](#)

About This Location

Collapse

Latitude: 47.237500° N, Longitude: 68.582778° W, Horizontal Datum: NAD83/WGS84

Figure C-13: Available Photos on Hydrograph Page

Appendix D – AHPS CMS Admin Functions

Scope

Within the AHPS CMS there are certain features that are only available to AHPS CMS Administrators. This group of users includes the NWS Region Hydro Focal Points and their associated backups, NWS HQ/OHD Management, and NWS CMS Administrators. The purpose of this section is to provide direction as to how these features function so that new administrators can become educated on these operational features.

Introduction

To begin this supplement we will introduce the methodology used to identify an “Admin Only” type feature. Below in Figures D-1 and D-2 users can see there are some subtle differences in the selectable options available. What is most noticeable is in Figure D-2 there are some selection titles that are colored **Bright Blue** (HSA and RSS Location). This is how users can clearly identify an “Admin Only” feature.

CAR - Edit Gauge DOVM1

River Name Piscataquis River [Gauge List](#)

Proximity at

Location Name Dover-Foxcroft

State Maine

County Androscoggin

FFG Zone Androscoggin

Adjacent State No State Selected For RSS selection and display.

Time Zone EST/EDT (GMT-5/-4)

Figure D-1: Gauge Configuration Page (Standard AHPS User)

CTP - Edit Gauge JRSP1

CTP - Edit Gauge JRSP1

Edit Settings For: CTP - Edit Gauge JRSP1

HSA State College, PA (CTP)

Location Type River Stage/Flow Location

River Name West Branch Susquehanna River [Gauge List](#)

Proximity at

Location Name Pennsylvania

State Pennsylvania

Country

FFG Zone

RSS Location Yes

Hemisphere Western Hemisphere

Adjacent State No State Selected For RSS selection and display.

Time Zone EST/EDT (GMT-5/-4)

Figure D-2: Gauge Configuration Page (AHPS Admin User)

Along with select functions on certain pages within the AHPS CMS, AHPS Administrators have several selections within the “Options” dropdown selection menu that are not available to Standard AHPS CMS Users. The items are:

- Changelog
- Compass
- Datum Explanations
- Datum Notes
- AHPS Globals
- Hydronotes
- Inundation Messages
- RFC Conf
- RSS Page Text
- Warnings
- Y Axis Content

This supplement will cover all of these items in detail along with any additional “Admin Only” items that may be located on the pages available to Standard AHPS CMS Users. We will begin with the items that reside on the pages that are shared between the two user types then move to the items that are available exclusively to AHPS Administrators.

Gauge Edit Page – Admin Only Functions

On the Gauge Edit Page there are seven items that are available to AHPS Administrators that are not available to standard users. These are covered below:

Configuration Item	Remarks
HSA	Dropdown selection box that allows the gauge to be assigned to the selected HSA.
Hemisphere	Dropdown selection box where users can select Western Hemisphere or Eastern Hemisphere. This selection helps with the placement of the River/Stream Location marker on the Google Maps.
RSS Location	Dropdown selection box where users can select either “Yes” or “No” If yes is selected the data from the gauge will have RSS data feed generated for the location.
USGS URL	Text Entry Box where users can enter the URL for that locations data within USGS web.
Latitude NRLDB	Latitude Values as populated by NRLDB. Adjustable by an admin on a temporary basis; overwritten by the NRLDB database each day. Only positive numbers are allowed.
Longitude NRLDB	Longitude Values as populated by NRLDB. Adjustable by an admin on a temporary basis; overwritten by the NRLDB database each day. Only positive numbers are allowed.

Gauge Edit Page (Edit HydroGen) – Admin Only Functions

Configuration Item	Remarks
HydroGen Upper Headroom	Dropdown selection box that allows the user to define a value from 1ft-15ft to provide additional feet padding to the top of the hydrographs.

Gauge Edit Page (Edit Inundation) – Admin Only Functions

AHPS Administrators have the ability to set whether or not a gage site is an Inundation Location and edit the Inundation configuration for that site. To access this area users will need to click [Edit Inundation](#) from the Gage Edit Page. This will direct users to a page where they can choose to enable the Inundation “Tab” for a gauge site. See Figure D-3 below.

AHPS NWS HSA CMS Admin

Options: - Admin Gauges Go

CAR - Edit Gauge Inundation for DOVM1

Enable Inundation: No

Update

Return to Gauge Editor

Figure D-3: Inundation Enable Page

*Please note for Inundation items a site from HSA RAH will be displayed (GLDN7).

When users set the “Enable Inundation” option to “Yes” and click [Update](#) they will be directed to a page where they can actually edit the parameters for the Inundation Site. See Figure D-4 on next page.

CTP - Edit Gauge Inundation for JRSP1

Using Google Maps

Enable Inundation: Yes

Google Default Map: Hybrid

Min Google Map Zoom: 7

Max Google Map Zoom: 17

Default Google Map Zoom: 13

Display USACE Attribution Logo: No

Display USGS Attribution Logo: Yes

USGS Attribution URL:

Attribution Logo Alt Text:

Display Partner Attribution Logo 1: Yes

Partner Attribution URL 1: http://www.srbc.net

Partner Attribution Alt Text 1: SRBC

Display Partner Attribution Logo 2: Yes

Partner Attribution URL 2: http://www.lyco.org

Partner Attribution Alt Text 2: http://www.lyco.org

[For custom layer ordering, please see section below.](#)

Figure D-4a: Inundation Edit Page (first quarter)

Base Layers	
▼ 1% Annual Exceedance Flood Probability	
Enabled	Yes ▼
Display On Page Load	No ▼
Title	1% Annual Exceedance Flood Probability
▶ 0.2% Annual Exceedance Flood Probability	
▶ Inundation Extent Boundary	
▶ Floodway Data Layer	
Custom Layers	
▼ Custom Layer 1	
Enable	No ▼
Display On Page Load	No ▼
Title	
▶ Custom Layer 2	
▶ Custom Layer 3	
▶ Custom Layer 4	
▶ Custom Layer 5	
▶ Custom Layer 6	
▶ Custom Layer 7	
▶ Custom Layer 8	
▶ Custom Layer 9	
▶ Custom Layer 10	

Figure D-4b: Inundation Edit Page (second quarter)

Google Map Options

Show Overview Map
No

Default Flood Stage Category
Below

Zero Datum Reference Value
0

Depth Offset Value
0

Depth Range
1

Max Depth Value
0

Color Palette
255

Available Stages

A comma separated list of stages (i.e. 50,51,53,55,60).

Selected Stages
☒ Select / Deselect All

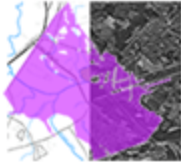
There are no available stage values setup in the CMS.

Extended Ratings Stages

A comma separated list of stages (i.e. 50,51,53,55,60).

Show Flood Categories in Menu
Yes

Default Layer Opacity:
65
%



Upper Latitude Boundary
0.000000

Eastern-Most Longitude Boundary
0.000000

Lower Latitude Boundary
0.000000

Western-Most Longitude Boundary
0.000000

Map Center Latitude Boundary
45.175000

Map Center Longitude Boundary
-69.314722

Site Specific Information

Empirical Rating

Update

Eastern-Most Longitude Boundary	<input type="text" value="-77.211290"/>
Lower Latitude Boundary	<input type="text" value="41.162270"/>
Western-Most Longitude Boundary	<input type="text" value="-77.278726"/>
Map Center Latitude Boundary	<input type="text" value="41.195000"/>
Map Center Longitude Boundary	<input type="text" value="-77.251389"/>
Site Specific Information	<p><p> The scientific publication for these maps is available from the USGS at: &nbsp; h</p>
Empirical Rating	<p>Rating Curve Extension - The Rating Curve Extension is calculated by using either a linear, logarithmic, or hydraulic technique to extend the rating curve above the currently established relationship between stage and flow.</p>
<input type="button" value="Update"/>	

Figure D-4c: Inundation Edit Page (third quarter)

Layer Order

? Each layer may be dragged and dropped into the desired order.
Click on the update button to save your changes.

- Inundation Extent Boundary
- Selected Flood Stages
- Inundation Floodway
- 0.2% Annual Exceedance Flood Probability
- 1% Annual Exceedance Flood Probability

Figure D-4d: Inundation Edit Page (fourth quarter)

All features on this page will be discussed below via a table that is formatted to display the Configuration Item and Remarks about the item/option.

Configuration Item	Remarks
Enable Inundation	Dropdown selection box Yes/No to enable or disable Inundation settings.
Google Default Map	Dropdown selection box. Select from Satellite, Hybrid, Roadmap or Terrain.

Min Google Map Zoom	Text field, numerical range, 1-20. The furthest that you want to allow users to zoom out on the map.
Max Google Map Zoom	Text field, numerical range, 1-20. The closest that you want to allow users to zoom in on the map.
Default Google Map Zoom	Text field, numerical range, value between previously entered min and max values. The default zoom level on page load.
Display USACE Attribution Logo	Dropdown selection box Yes/No. Selects whether or not to display the United States Army Corps of Engineers data partner logo. The CMS Support Team is in charge of managing the logo database at this time. The logo will be displayed in the Blue Left-hand Data Selection and Navigation Area.
USACE Attribution URL	Text field for a URL for the USACE office that helped with inundation data. URL must start with http: or https:.
USACE Attribution Alt Text	Text field for the alternate text for the USACE logo image.
Display USGS Attribution Logo	Dropdown selection box Yes/No. This option determines whether or not to display the USGS logo in the Inundation Partnership Area located in the Blue Left-hand Data Selection and Navigation Area. If this is selected the link to the USGS site is applied to this logo by default.
USGS Attribution URL	Text field for a URL for the USGS office that helped with inundation data. URL must start with http: or https:.
USGS Attribution Alt Text	Text field for the alternate text for the USACE logo image. The CMS Support Team is in charge of managing the logo database at this time. The logo will be displayed in the Blue Left-hand Data Selection and Navigation Area.
Display Partner Logo 1-2	Dropdown selection box Yes/No. This option selects whether or not to display the state partner logos that have worked to help provide data for the inundation project.
Partner Attribution URL	Text field for a URL for gauge data partner site, if applicable. URL must start with http: or https:.
Partner Attribution Alt Text	Text field for descriptive text for gauge data partner. The CMS Support Team is in charge of managing the logo database at this time. The logos

	will be displayed in the Blue Left-hand Data Selection and Navigation Area.
Base Layers	
1% Annual Exceedance Flood Probability	<p>Each base layer contains a dropdown box to enable the layer: Yes / No. If data is not available, it is recommended that this be set to No.</p> <p>Each base layer contains a dropdown box to enable the layer on page load: Yes / No.</p> <p>Each base layer has a custom title option but will default to the name listed on its respective accordion if the field is left blank.</p>
0.2% Annual Exceedance Flood Probability	
Display Inundation Extent Boundary	
Show Floodway Data Layer	
Custom Layers	
Custom Layer 1-10	<p>Accordion element that contains two dropdown selection boxes and an input field. The first dropdown is to enable the custom layer Yes / No. The second box is to display the layer by default on page load Yes / No. The input field is to give the custom layer a title. Up to ten custom layers may be applied to a location. Custom layers must be added when the inundation site is processed. If the option to use custom layers is turned on and no images are present, there will be an error on the map.</p>
Show Overview Map	<p>Dropdown selection box Yes/No. Displays thumbnail of area in and around the view port in southeastern corner of Google Map. Can be toggled off and on by user on map as well.</p>
Default Flood Stage Category	<p>Dropdown selection menu with the five categories of flooding: Below, Near, Minor, Moderate, Major. This selection determines which flood category image loads by default on the Flood Categories page.</p>
Zero Datum Reference Value	<p>Text input box that will accept a numeric input value that will be used for the NAVD88 zero datum elevation reference.</p>
Depth Range	<p>Text input box that will accept a numeric input value. Value is 1 by default. When a user mouses</p>

	over the inundation image and the depth is displayed, this value is the range returned. Example: 2.2 - 3.2 feet
Max Depth Value	Text input box that will accept a numeric value. Maximum depth of site at its highest inundation level.
Color Palette	Text input box that will accept a numeric value. This value is the number of colors in the color palette used to generate all of the inundation images in the site. The default value is 255.
Available Stages	Text input box that will accept a numeric input values in comma-separated format. This is where available stage values for a gauge inundation site are input. The stage value must always be a float value, even if it is a whole number. Example: 3.0,4.0.
Selected Stages	Checked-selection boxes that are displayed in coordination with the Available Stages values input into the configuration interface. The values that are selected here will be displayed within on the Inundation Levels page.
Show Flood Categories in Menu	Dropdown selection box Yes/No. This option determines whether or not the Flood Categories will be displayed within the Blue Left-hand Data Selection and Navigation area.
Default Layer Opacity	Text/Numeric input box. This box will accept a numeric value (0-100) that will represent the default opacity of all data layers. This is same layer opacity that is controlled by the Transparency Level Control Slider.
Upper Latitude Boundary	The Northern-Most Latitude (Top-Parallel) Boundary for the Inundation Area image overlay.
Eastern-Most Longitude Boundary	The Eastern-Most Longitude Boundary (Right Vertices) for the Inundation Area Map.
Lower Latitude Boundary	The Southern-Most Latitude Boundary (Bottom-Parallel) for the Inundation Area Map.
Western-Most Longitude Boundary	The Western-Most Longitude Boundary (Left Vertices) for the Inundation Area Map.
Map Center Latitude Boundary	The map center point.
Map Center Longitude Boundary	The map center point.

Site Specific Information	Information pertaining only to the current inundation site.
Empirical Rating	<p>The rating curve for a specific stream location is developed by making successive streamflow measurements at many different stream stages to define and maintain a stage-streamflow relation. These streamflow measurements and their corresponding stages are then plotted on a graph. The rating curve is crucial because it allows the use of stream stage, which is usually easily determined, to estimate the corresponding streamflow at virtually any stream stage. Continuous streamflow throughout the year can be determined from the rating curve and the record of river stage.</p>
Layer Order	<p>The Layer Order section lists each base and custom layer that is currently enabled.</p> <p>Simply drag and drop the layers into the desired order and click the “Save this order” button.</p> <p>See figure D-4d.</p>

Gauge Edit Page (Edit Quick Links) – Admin Only Functions

AHPS Administrators have the ability to set a variety of links and corresponding thumbnails for each gauge in the Quick Links feature. These links are gauge-specific and display in the InfoWindow that appears when a gauge marker is clicked on from the region-level map. See Figure D-5 below.

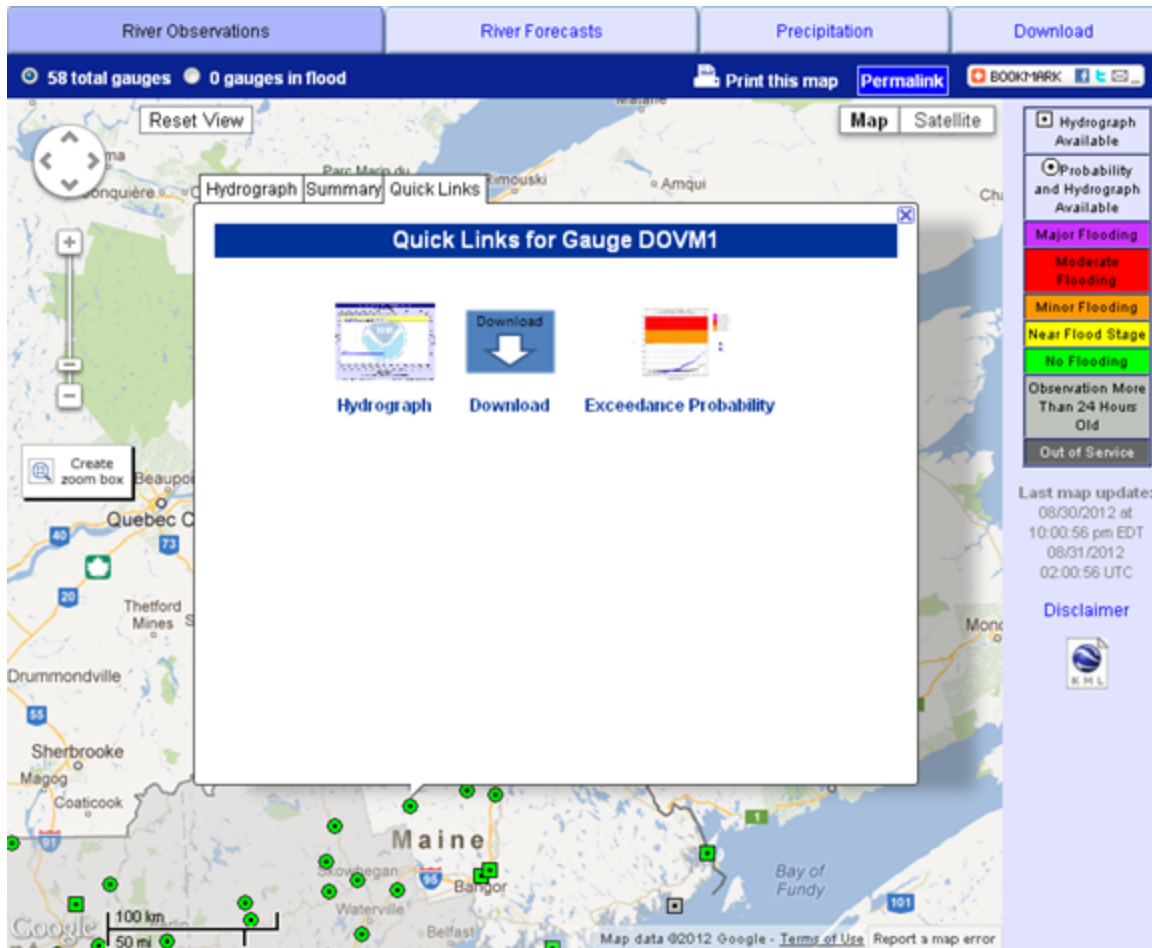


Figure D-5: Quick Links as they appear on the AHPS map

To access this area users will need to click [Edit Quick Links](#) from the Gauge Edit Page. This will direct users to a page where they can choose which links they want displayed on the Quick Links tab and further customize default links. See Figure D-6 below.

DOVM1 - Edit Gauge Quick Links

Users can manage quick links for individual gauges. Up to ten links with pre-selected icons can be displayed on the quick links information window for each location.

Display order determines the order in which the links appear in the information window on the map. By default, the "Hydrograph" and "Download" options will always appear first and second, respectively.

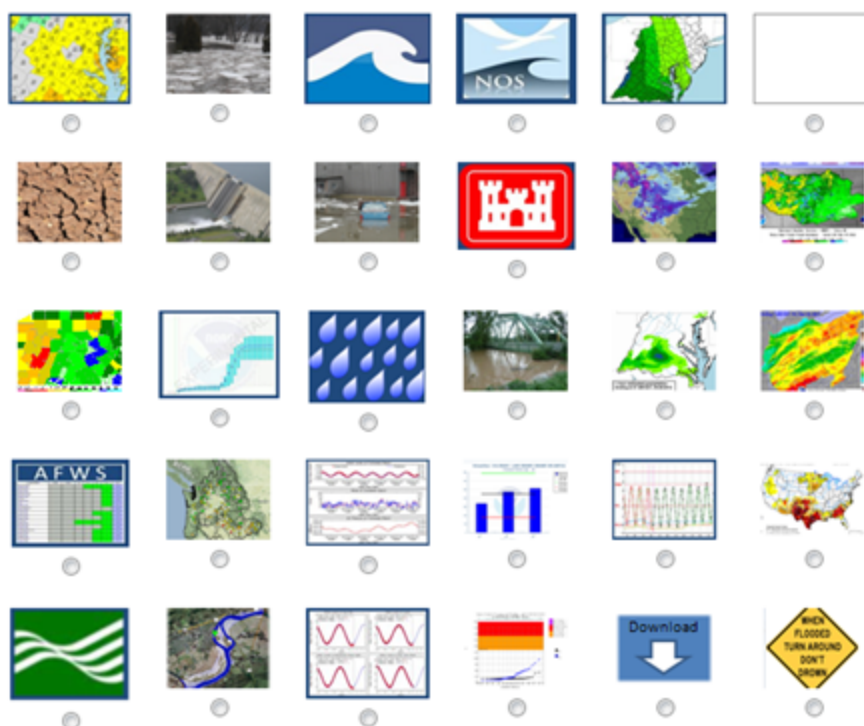
Quick Links	Display Order	Commands
 Hydrograph	1	
 Download	2	
 Exceedance Probability	3 <input type="text" value="3"/>	Update Order Delete Edit
Add Quick Link		
Return To Gage Page		

Figure D-6: Edit Gauge Quick Links overview

The links for the Hydrograph page and Download page are hard-coded into the Quick Links settings and cannot be altered or removed. Up to seven custom links can be added and can have their display order changed from 3 through 10 by using the dropdown selection menu. To change the order, select a new number from the dropdown menu and click [Update Order](#).

To add a new Quick Link, click on [Add Quick Link](#). To edit an existing Quick Link, click on [Edit](#) in the same row as the link you want to alter. This will take you to a new page. See Figure D-7 below. To return to the edit gauge page, click on [Return To Gage Page](#).

DOVM1 - Edit Gauge Quick Links



*Note: Quick link labels are limited to 30 characters in length.

Quick Link Label

Quick Link URL

Quick Link Alt Text

Add

Return To Quick Links

Figure D-7: Adding or editing a Quick Link

Once on the Edit Gauge Quick Links page, you can select one of 30 pre-made icons and enter or update three text values for the link: the Label, URL and Alt Text.

Configuration Item	Remarks
Quick Link Label	Text that will appear as a link under the icon. Limited to 30 characters.
Quick Link URL	Web address for Quick Link. URL should start with http:// or https://.
Quick Link Alt Text	Text that will appear as alt text for Quick Link icon.

When you are finished making changes, click “Add” or “Update” to save your Quick Link.

If you want to delete a Quick Link from a gauge, click on Delete in the same row as the link you want to remove. You will be directed to a new page, where you will be asked to confirm that you want to continue with the deletion. See Figure D-8 below. To cancel, click Cancel. This will return you to the Edit Quick Links overview page.

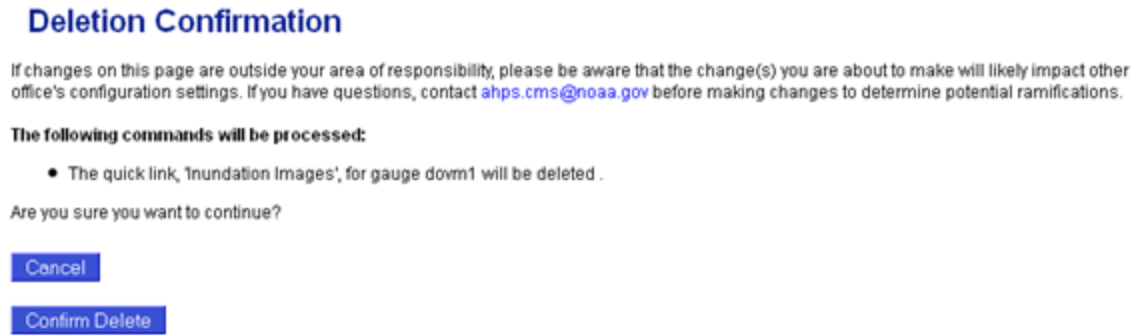


Figure D-8: Delete Confirmation in the Quick Links editor

AHPS Administrator Only Dropdown Items

We will now cover the items that are available exclusively to AHPS Administrators. Some selectable items will only appear in the “Options” dropdown selection box based upon where users are within the interface. For example, before users select a HSA, they will have the options of:

- RFC Conf
- RSS Page Text
- Warnings
- Y Axis Content
- Water Resource Regions
- States

If a HSA is selected, in addition to the options above, users will gain the option to view the Changelog for the particular selected HSA along with standard changelog. We will present the data as the interface presents it with the items above first and the items that are included pages once a HSA is selected.

RFC Conf

RFC Conf is where AHPS Administrators can enter information for River Forecast Center Pages. When this item is selected users are directed to a page like the one below in Figure D-9. Once on this page users can simply click on a RFC to enter the RFC Edit Page Figure D-10 on following page.

City	Abbrev
Alaska Pacific River Forecast Center	APRFC
Arkansas Red-Basin River Forecast Center	ABRFC
California Nevada River Forecast Center	CNRFC
Colorado Basin River Forecast Center	CBRFC
Lower Mississippi River Forecast Center	LMRFC
Middle Atlantic River Forecast Center	MARFC
Missouri Basin River Forecast Center	MBRFC
North Central River Forecast Center	NCRFC
Northeast River Forecast Center	NERFC
Northwest River Forecast Center	NWRFC
Ohio River Forecast Center	OHRFC
Southeast River Forecast Center	SERFC
West Gulf River Forecast Center	WGRFC

Figure D-9: RFC Conf Page

APRFC - RFC Main

RFC City Name

State

Postal StreetAddress

Postal City Name

Zip Code

Public Phone

Observes DST

Time Zone

Precip. URL

QPF URL

Base URL

RFC URL

RFC Images URL

Google Maps Max Zoom

Google Maps Min Zoom

Map Center Latitude

Map Center Longitude

Zoom Level

Set the map's center point and zoom level by clicking, dragging and scrolling with your mouse or by using the Google Map controls located on the map. When you're done making adjustments, press **Update** to save your changes.

E331 Siberian Sea

Map Satellite

Figure D-10: RFC Main Page Editor

Configuration Item	Remarks
RFC City Name	Text entry box where users can spell out the name of the RFC
State	Dropdown selection box where users can select what state the RFC resides within
Postal/Street Address	Text entry box where users can enter the Postal or Street Address that will be displayed on the RFC Main Page
Zip Code	Text entry box where users can enter the ZIP code for the RFC
Public Phone	Text entry box where users can enter a phone number to display on the RFC Main Page
Observes DST	Dropdown selection box that provides users with the option to choose whether or not the RFC observes Daylight Savings Time. Options are “Yes” or “No”
Time Zone	Dropdown selection box that allows the RFC to be assigned to a particular Time Zone. This will allow time to be displayed correctly on the RFC Pages.
Precip URL	Text entry box where users can enter the URL for a particular Precipitation Page that will display as link on the RFC Page
QPF URL	Text entry box where users can enter the URL for a particular QPF page to be displayed as a link on RFC Page
Base URL	Text entry box where users can enter the base URL for the location of the RFC Page such as http://www.erh.noaa.gov
RFC URL	Text entry box where users can enter the actual URL for the location of the RFC Page on the server.
RFC Images URL	Text entry box where users can enter the location/directory of the images that are to be displayed on the RFC Page.
Google Maps Max Zoom	Text entry box where users can enter a value from 1 to 20 to how close public users can zoom into the RFC map, 20 being the closest.
Google Maps Min Zoom	Text entry box where users can enter a value from 1 to 20 to how far public users can zoom out from the RFC map, 1 being the furthest.

Google Map location	Google Map interface where users can click, drag and zoom to set the default view for the RFCs Google Map.
---------------------	--

RSS Page Text

Another feature available to AHPS Administrators is the ability to edit the text that is listed on the RSS Products Page. **Users will need to know how to edit within html to enter the information into the text boxes for the respective areas on this page.** If you are unsure about any of this please contact the AHPS CMS Support Team.

AHPSNWS HSACMS Admin

Options: - RSS Page TextGo

Admin Hydronotes

Text Type	Current Value
Observed Text	<div>Note: The data are from automated sensors and are generally from equipment that is maintained by the US Geological Survey (or other collaborating agencies). The data are provisional and subject to change. Data update rates are highly variable depending on the specific location of interest.</div>
Forecast Text	<div>Note: Routine Daily Forecasts of River Conditions are available at select river locations where data histories and forecast procedures make them possible. These forecasts are generally updated from 11:00 AM to noon local time. This RSS feed is based on the original development efforts of John Yagecic of the Delaware River Basin Commission.</div>
Alert Text	<div>Note: The alerts utilize both observations and forecast information (where available). Forecasts are available at select river locations where data histories and forecast procedures make them possible. This RSS feed is based on the original development efforts of John Yagecic of the Delaware River Basin Commission.</div>

Update

Figure D-11: RSS Page Text Editor

Users can edit the Text that appears in the Observed Values Text, The Forecast Values Text and the Alert Text that are generated with each RSS Product.

Y-Axis Content

The final item to cover within the “Options” dropdown selection box before a HSA is selected is the Y-Axis Content Editor. This item allows AHPS Administrators to edit the page content associated with the links located in the Y-Axis of the hydrographs (Stage and Flow). **Users will need to have knowledge of HTML to edit this area.** If you do not have knowledge of HTML you should contact the AHPS CMS Support team. See *Figure D-13* below.

The screenshot displays the 'Y Axis Page Editor' interface. At the top, there are navigation tabs for 'AHPS', 'NWS HSA', and 'CMS Admin'. Below these is a blue bar with the 'Options:' dropdown menu set to '- Y Axis Content' and a 'Go' button. The main content area is titled 'Y Axis Page Editor' and contains two distinct editing sections.

Section 1: Stage Defined (yaxis1info.php)

Page Title: Stage Defined (yaxis1info.php)

Plain text or HTML formatted text goes here.

Page Text:

```
<div align="center"><a href="javascript:history.back();"><b>Return to  
Hydrograph</b></a></div>  
<p />  
Stage - The level of the water surface in a river measured with reference to  
some datum.  
<p />  
<p>  
Datum - For marine applications, a base elevation used as a reference from  
which to reckon heights or depths.<br /><br />  
It is called a tidal datum when defined in terms of a certain phase of the
```

Update

Section 2: Ratings and Unit Hydrographs (yaxis2info.php)

Page Title: Ratings and Unit Hydrographs (yaxis2info.php)

Plain text or HTML formatted text goes here.

Page Text:

```
<div align="center"><a href="javascript:history.back();"><b>Return to  
Hydrograph</b></a></div>  
<p />  
Flow is the streamflow or discharge of water along a defined  
natural channel.  
<p />  
Flow on a hydrograph is related to stage by a rating curve. The  
rating curve represents the actual flow, in CFS (Cubic Feet Per  
Second) or KCFS (Thousands of Cubic Feet Per Second) for a particular  
stage at that river location.  
<p />
```

Update

Figure D-13: Y-Axis Content Editor Page

Compass

Once an AHPS Administrator selects a HSA to configure, the Options dropdown selection menu will change slightly as previously mentioned. Compass is an option that will still be present once a HSA is selected. If Compass is selected it will look as if users have redirected back to the “Select HSA Page”. Once here users can select what HSAs AHPS Compass they would like to edit. Once they have chosen a HSA, they will be directed to a page that looks like *Figure D-14* below.

Figure D-14: Compass Editor Page

Once on the Compass Editor Page, users can change or add additional navigational arrows by selecting the desired HSA for that particular direction from the dropdown selection box and clicking **Update** when done choosing for that particular direction.

Datum Notes Administration

Should a Datum Note need to be edited or a new one added AHPS Administrators will complete that task via this selection. Once on this page, users can edit the information of an existing note within the text box by simply editing the text. If a link needs to be added/adjusted within a note, it will need to be input as HTML. For example a link to FEMA Flood Maps that displays only as msc.fema.gov on the webpage should be input as the following:

```
<a href="http://msc.fema.gov">msc.fema.gov</a>
```

Once an existing note has been updated users will click **Update** to complete the change. Users can also remove a note entirely by clicking **Delete**. To enter a new note users should input the desired note information in the very bottom blank text entry box and click **Add** when finished.

AHPSNWS HSA CMS Admin

Options: - Datum Notes Go

Datum Notes Administration

Datum Note	Commands
More information on FEMA flood maps is available at msc.fema.gov	Update Delete
More information on topographic maps is available at topomaps.usgs.gov	Update Delete
Vertical datum height surveyed by the USGS	Update Delete
Vertical datum height estimated from NGVD29 to NAVD88 using the NGS VERTCON conversion program	Update Delete
Vertical datum height surveyed by the NWS	Update Delete

Figure D-15: Datum Notes Administration Editor Page

AHPS And AFWS Globals

The Globals Page manages the content associated with information that is displayed within the Blue Left-hand Navigation Area on “All” AHPS Pages. This information has to be edited via plain text or formatted HTML entries. Each editor section within the page explains what area of the interface is controlled by the input of text input box. In addition to the Left-hand Navigation Area, HSA Map Special Messages can also be entered on this page to help notify the public users of an upcoming release, maintenance, or any particular message. The “Other Information Page” also can be toggled via Yes/No dropdown selection. This determines if it gets displayed on the National Page from this selection.

AHPS Globals Edit

Display "Other Information" Yes

National Tab

Google Default Map Terrain

Plain text or HTML formatted text goes here.

Left Banner Block 1

```
<span class="yellow">National Conditions</span><br />
<a href="/ahps">Rivers</a><br />
<a href="http://www.nws.noaa.gov/sat_tab.html">Satellite</a><br />
<a href="http://www.cpc.ncep.noaa.gov/products/predictions/90day/">Climate</a><br />
<a href="/precip/">Observed Precip</a><br />
```

Plain text or HTML formatted text goes here.

Left Banner Block 2

```
<span class="yellow">AHPS Documentation</span><br />
<a href="http://www.nws.noaa.gov/os/water/ahps/resources/Hydrologic_Web_Products_Manual.pdf">User Guide</a><br />
<a href="http://www.nws.noaa.gov/os/water/ahps/resources/Guide_to_Hydrologic_Information_Brochure.pdf">User Brochure</a><br />
```

Plain text or HTML formatted text goes here.

Left Banner Block 3

```
<br>
<span class="yellow">What is AHPS?</span><br />
<a href="/ahps/about/about.php">Facts</a><br />
<a href="/ahps/partners/nws_partners.php">Our Partners</a><br />
```

Plain text or HTML formatted text goes here.

AHPSNWS HSACMS Admin

Options: - AFWS GlobalsGo

AFWS Globals Edit

Display "Other Information" National Tab

No

? Plain text or HTML formatted text goes here.

Left Banner Block 1

? Plain text or HTML formatted text goes here.

Left Banner Block 2

? Plain text or HTML formatted text goes here.

Left Banner Block 3

? Plain text or HTML formatted text goes here.

Figure D-16: AHPS/AFWS Globals Editor Page

Hydronotes

In the past, Hydronotes had to be submitted by Service Hydrologists to the Region Hydro Focal Point and then pass on to the AHPS CMS Support Team to be added manually to a file. With the addition of this selection for AHPS Administrators the Regional AHPS personnel could now control these messages. To Add, Edit or Delete a Hydronote, users simple would need to click Hydronotes in the Options dropdown selection menu. They will be directed to the page displayed below in **Figure D-18**.

Admin Hydronotes

Enter a keyword to filter results

Filter

Clear Filter

Hydronote

-- none --

2011 crest data is provisional and subject to revision.

NWS
Precipitation and River Forecasting Discussion - click here

<p class=MsoNormal>Vertical datum updated to 789.27 ft. NAVD88 or 788.95
ft.
NGVD29. More information - <a
href="http://waterdata.usgs.gov/mo/nwis/uv/?
site=16060000&period=1d&start=2012-01-11">Public
Information

<p>Flood stage at this location will be lowered to 220 feet as of January
11,
2012. Please see our
Public
Information

Commands

Update

Delete

Update

Delete

Update

Delete

Update

Delete

Update

Delete

Figure D-18: Hydronotes Editor Page

Just like the previous note editors, once an existing note has been updated users will click **Update** to complete the change. Users can also remove a note entirely by clicking **Delete**. To enter a new note users should input the desired note information in the very bottom blank text entry box and click **Add** when finished. In order to locate a specific hydronote you can enter a keyword into the input box above the hydronotes and click **Filter**. Any notes containing the keyword will then be displayed. To reset the filter and show all hydronotes again simply click **Clear Filter**.

Global Inundation Messages Editor

Just as with the other global message editors these text entry boxes except HTML formatted information and drive the respective messages that each box is labeled with on the AHPS Inundation Pages:

- About Inundation
- Inundation FAQ Text
- Print/Save Image Alert Text

AHPS

NWS HSA

CMS Admin

Options: - Inundation Messages : Go

Global Inundation Messages Editor

Simply enter the HTML of the page below and click "Update" to save it.

About Inundation Text

```

<style type="text/css"> .style1 {color: #FFFFFF; font-family: Arial; background-color: #FF3300; } .style2 {font-family: Arial; } </style> <h3>About Inundation</h3> <UL> <LI> <SPAN STYLE="text-decoration: underline">Product Description</SPAN> - The Flood Inundation Map Graphics show the lateral extent of projected flooding on local map backgrounds. </LI> <br /> <LI> <SPAN STYLE="text-decoration: underline">Purpose/Intended Use</SPAN> - Flood Inundation Maps will show the extent of flooding expected spatially over a given area. This will indicate when roadways, streets, buildings, airports, etc. are likely to be impacted by floodwaters. The accuracy of the mapping depends on the degree of accuracy of DEM data available for use in the GIS application, plus other factors. </LI> <br /> <LI> <SPAN STYLE="text-decoration: underline">Flood Mapping Guidelines</SPAN> - The guidelines for the creation of these AHPS Flood Inundation Map libraries are contained in the following link: <a href="http://water.weather.gov/ahps/NOAA_AHPS_Guidelines_Final_2011_v3.pdf">NOAA AHPS Guidelines Final 2011 v3</a> </LI> <br /> <LI> <SPAN STYLE="text-decoration: underline">Product

```

Inundation FAQ Text

```

<h3>Inundation F.A.Q.&apos;s</h3>
<UL>
<LI>
<a name="missing_flood_cats"><SPAN STYLE="text-decoration: underline">Why are there missing flood categories?</SPAN></a> - A Flood Category may be excluded from the inundation study area due to lack of elevation data for the given study location.</LI>
<P />
<LI><SPAN STYLE="text-decoration: underline">What is a "100-year flood"?</SPAN>
-
A 100-year flood is a flood that has a 1-percent chance of being equaled or exceeded in any given year. A base flood may also be referred to as a 100-year storm and the area inundated during the base flood is sometimes called the 100-year floodplain.</LI>
<P />

```

Figure D-19: Global Inundation Messages Editor

Once users have updated the desired content they will click **Update** to finalize the changes that were just made.

Changelog

The final item to be covered in this Admin Guide is the Changelog. This can be a very handy tool for AHPS Administrators to use for troubleshooting issues that suddenly occur on a HSA's AHPS webpage. Once this selection has been chosen from the "Options" dropdown selection box, users will be presented with the page displayed in **Figure D-21**. Once on this page users can select one of the dates listed to view the changes that were made to the HSA's AHPS configuration on that particular date.

CAR - View Change Logs

Click on a date below to view that days changes:

[Thu May 1 UTC 2014](#)
[Tue Apr 29 UTC 2014](#)
[Fri Dec 13 UTC 2013](#)
[Wed Oct 9 UTC 2013](#)
[Tue Oct 8 UTC 2013](#)
[Mon Sep 23 UTC 2013](#)
[Tue Aug 20 UTC 2013](#)
[Mon Aug 12 UTC 2013](#)
[Tue Jul 9 UTC 2013](#)
[Fri Jul 5 UTC 2013](#)
[Mon Jul 1 UTC 2013](#)
[Mon Jun 17 UTC 2013](#)
[Mon Jun 10 UTC 2013](#)
[Thu Jun 6 UTC 2013](#)
[Wed May 22 UTC 2013](#)
[Sat Apr 27 UTC 2013](#)
[Thu Feb 21 UTC 2013](#)
[Fri Feb 8 UTC 2013](#)
[Fri Jan 25 UTC 2013](#)
[Tue Jan 22 UTC 2013](#)
[Tue Jan 8 UTC 2013](#)
[Mon Jan 7 UTC 2013](#)
[Sat Mar 31 UTC 2012](#)
[Wed Mar 28 UTC 2012](#)
[Fri Mar 23 UTC 2012](#)
[Thu Feb 2 UTC 2012](#)
[Sat Dec 24 UTC 2011](#)

Figure D-20: Changelog Date Selection Page

An example of what AHPS Administrators will be presented with after a date has been selected can be viewed on the next page in Figure D-22. The information will inform the Administrator who made the change, what time they made the change and what change was exactly applied.

[AHPS](#)
[NWS HSA](#)
[CMS Admin](#)

Options: :

CAR - View Changes from Sun May 22 UTC 2011

At 2011-05-22 20:16:40, joseph.hewitt@noaa.gov made:
 - Updated hydronote from "Dickey JamCam available courtesy of Maine DOT - [click here](#)" to "-- none --" in DICM1 for CAR gauge "DICM1"

Figure D-21: Sample of Changelog

This concludes the AHPS CMS Administrator's Guide

